DOCUMENT RESUME

ED 470 249 HE 035 379

| | |
|---|---|
| TITLE | Ontario Universities--2002. Resource Document. |
| INSTITUTION | Council of Ontario Universities, Toronto. |
| REPORT NO | COU-729 |
| ISBN | ISBN-0-88799-372-1 |
| ISSN | ISSN-1486-0929 |
| PUB DATE | 2002-09-00 |
| NOTE | 119p.; For the 2000 "Resource Document," see ED 456 712. |
| AVAILABLE FROM | Council of Ontario Universities, 180 Dundas Street, West, 11th Floor, Toronto, Ontario M5G 1Z8, Canada. Tel: 416-979-2165, ext. 202; Fax: 416-979-8635. |
| PUB TYPE | Numerical/Quantitative Data (110) -- Reports - Descriptive (141) |
| EDRS PRICE | EDRS Price MF01/PC05 Plus Postage. |
| DESCRIPTORS | *Educational Finance; *Enrollment; Foreign Countries; *Higher Education; Income; *Institutional Characteristics; *Research; State Aid; Tables (Data); Trend Analysis; *Tuition |
| IDENTIFIERS | *Ontario University System |

ABSTRACT

This edition of the "Resource Document" provides a comprehensive review of statistics and trends relevant to Ontario universities across a range of policy areas including grants and revenue, jurisdictional comparisons, comparisons with other sectors, research, tuition fees, student financial assistance, university infrastructure, faculty and staff, and education and employment. The review of statistics and trends is important in that Ontario is on the verge of experiences the greatest increase in the demand for university opportunities in 30 years. Recent projections suggest that enrollments in the province are likely to increase well over 100,000 or 48% between 1998 and 2015. The funding requirements will be significant, and the challenge will extend beyond the provincial government. Decreased federal transfer payments in the 1990s further reduced the resources available to the provincial government for funding universities. Provincial operating grants to Ontario universities were $1,732 million in 2001-2002, a 0.3% increase over the previous year. Despite this increase, in constant dollar terms, grants were 25.9% lower than in 1992-1993, the peak year for operating grants. Tuition fee revenue has increased dramatically since 1987-1988, but federal government support of Ontario universities has stayed flat in constant dollar terms. This support is projected to improve by 13.6% by 2002-2003. The report contains these sections: (1) "Grants and Revenues: The Ontario Picture"; (2) "Grants and Revenues: Jurisdictional Comparisons"; (3) "Comparisons with Other Sectors"; (4) "Research"; (5) "Tuition Fees"; (6) "Student Financial Assistance"; (7) "University Infrastructure"; (8) "Faculty and Staff"; and (9) "Education and Employment." Eight appendixes contain supplemental statistical information. (Contains 42 tables and 37 figures.) (SLD)

Reproductions supplied by EDRS are the best that can be made
from the original document.

ED 470 249

# ONTARIO UNIVERSITIES - 2002 RESOURCE DOCUMENT

PERMISSION TO REPRODUCE AND DISSEMINATE THIS MATERIAL HAS BEEN GRANTED BY

A. Cadieux

TO THE EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC)

1

U.S. DEPARTMENT OF EDUCATION
Office of Educational Research and Improvement
EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC)

☑ This document has been reproduced as received from the person or organization originating it.

☐ Minor changes have been made to improve reproduction quality.

• Points of view or opinions stated in this document do not necessarily represent official OERI position or policy.

**September 2002**

**ISSN 1486-0929**
**ISBN 0-88799-372-1**

COUNCIL OF
ONTARIO UNIVERSITIES

**COU N° 729**

CONSEIL DES
UNIVERSITÉS DE L'ONTARIO

HE035379



BEST COPY AVAILABLE

# Ontario Universities

# 2002 Resource Document

Prepared by the
Council of Ontario Universities
Conseil des Universités de l'Ontario
180 Dundas Street West, 11th Floor
Toronto, Ontario M5G 1Z8

Requests for further information
should be directed to
Richard Smith
Research, Analysis and Policy Division
Telephone: (416) 979-2165 extension 202
E-mail: rsmith@cou.on.ca
Fax: (416) 979-8635

ISBN 0-88799-372-1
ISSN 1486-0929

September 2002

COU No: 729

## Introductory Notes

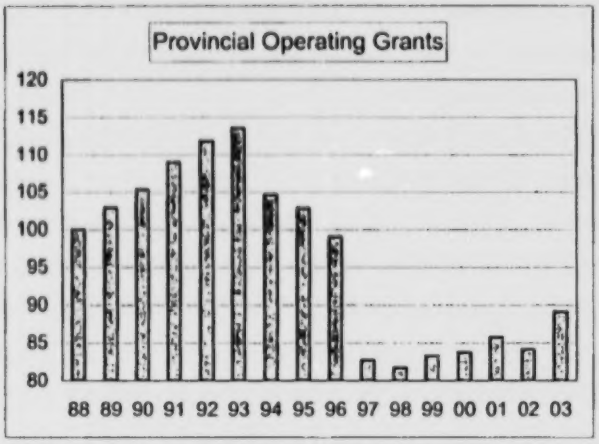
Some data used in this edition of the *Resource Document* are preliminary, estimated or projected, and as such are subject to revision in future editions. Likewise, some data have been revised compared to last year's edition.

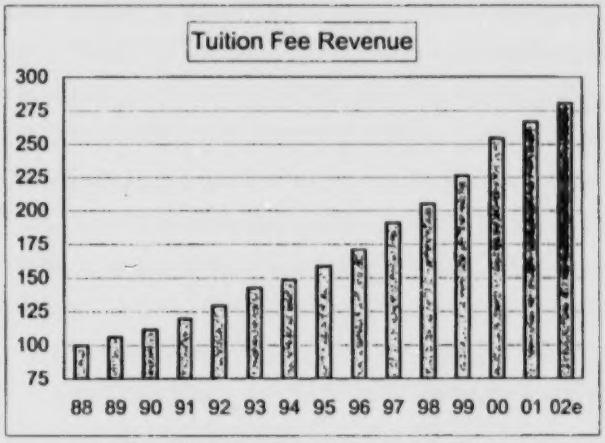
When a table combines data obtained from different sources, effort is taken to ensure that all data within the table are as comparable as possible and consistent with the purpose of the table. However, data may not always be identically reported between tables. For example, enrolment, financial or other data in one table may be based on a different set of institutions as the same data in another table. Please be sure to read the notes to each table, as well related appendices, when reviewing the tables.

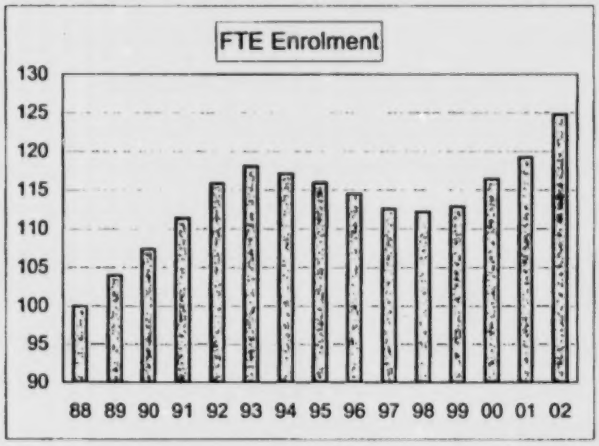
For some tables, the content, sources of data, or methodologies used are different from the corresponding table in last year's edition of the *Resource Document*, and therefore may not be directly comparable.

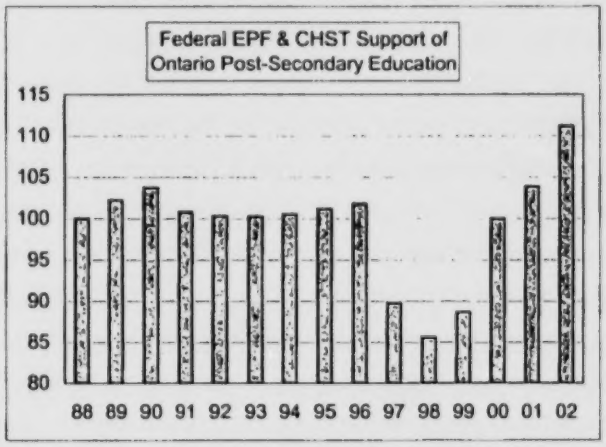
**FRONTISPIECE**

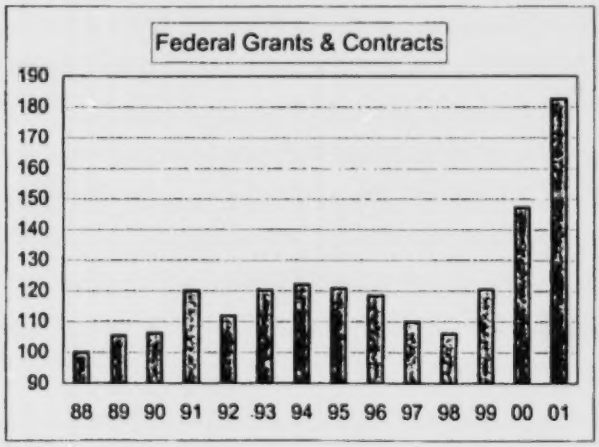
**KEY TRENDS**
**ONTARIO UNIVERSITIES**
**1987-88 TO 2002-03**

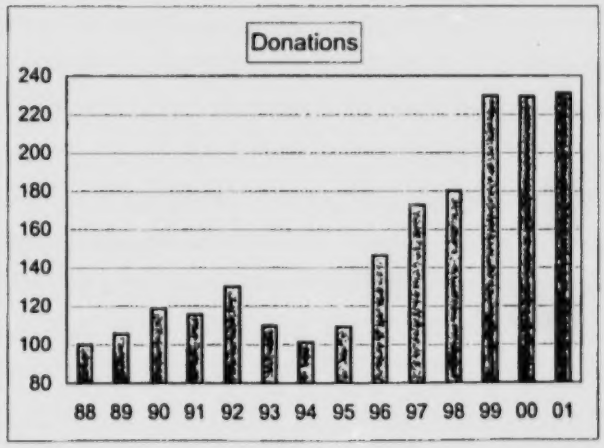



X-Axes Year Ending
Y-Axes Index relative to 1987-88 = 100. Financial indices are in constant 2001-02 dollars.

## Table of Contents

Key Trends
Ontario Universities
1987-88 to 2001-02 ..... frontispiece

To the Reader of this Report ..... page vii-viii

Highlights of this Report ..... page ix-xiii

**Section 1 - Grants and Revenue: The Ontario Picture**

1.1 Provincial Operating Grants and Tuition Fee Revenue
Ontario Universities
1987-88 to 2001-02 ..... page 2-3

1.2 Provincial Operating Grants and Tuition Fee Revenue per FTE Enrolment
Ontario Universities
1987-88 to 2001-02 ..... page 4-5

1.3 Federal EPF and CHST Support of Ontario Post-Secondary Education
1987-88 to 2002-03 ..... page 6-7

1.4 University Operating Grants Compared to Total Provincial Budget
And Gross Domestic Product
Ontario
1987-88 to 2001-02 ..... page 8-9

1.5 Ratios of University Operating Grants, Total Provincial Budget
And Gross Domestic Product
Ontario
1987-88 to 2001-02 ..... page 10-11

1.6 Income from Federal Grants and Contracts
Ontario Universities
1987-88 to 2000-01 ..... page 12-13

1.7 Income from Donations and Non-Government Grants and Contracts
Ontario Universities
1987-88 to 2000-01 ..... page 14-15

**Section 2 - Grants and Revenue: Jurisdictional Comparisons**


2.1 Percent of University Operating Income by Source of Income
Provincial Comparison
1987-88 to 1999-00 ..... page 18-19

2.2 Percent of Total University Income by Source of Income
Provincial Comparison
1987-88 to 1999-00 ..... page 20-22

2.3 Provincial University Operating Grants per FTE Enrolment
Provincial Comparison
1988-89 to 2001-01 ..... page 24-25

2.4 Provincial University Operating Grants per Capita
Provincial Comparison
1988-89 to 2001-02 ..... page 26-27

2.5 Provincial University Operating Grants
Per $1000 of Total Provincial Personal Income
Provincial Comparison
1988-89 to 2000-01 ..... page 28-29

2.6 Revenue and Expenditures per FTE Enrolment
Public Universities— Ontario and Selected American States
1999-00 ..... page 30

2.7 Percent Change in Provincial and State Funding
for Operating Expenses of Post-Secondary Education
Canadian Provinces and American States
1996-97 to 2001-02 ..... page 32-34


**Section 3 - Comparisons with Other Sectors**


3.1 Operating Expenditures Per Client
Universities and Four Other Public Sectors
Ontario
1987-88 to 1999-00 ..... page 36-37

3.2 Operating Expenditures Per Client
Hospitals, Schools and Universities
Provincial Comparison
1998-99 ..... page 38-39

**Section 4 - Research**


4.1 Sponsored Research Expenses
Compared to University Operating Expenses
Ontario Universities
1987-88 to 2000-01 ..... page 42-43

4.2 Peer-Adjudicated Sponsored Research Grants (PASRG)
SSHRC + NSERC + MRC
Compared to Ontario Research Overhead/Infrastructure Envelope (ROIE)
Ontario Universities
1987-88 to 2001-02 ..... page 44-45

4.3 Sponsored Research Funding to Universities
SSHRC + NSERC + MRC
Provincial Comparison
1987-88 to 1999-00 ..... page 46-47

4.4 Gross Expenditure on Research and Development (GERD)
Ontario and the Group of Seven Industrialized Nations
1999 ..... page 48


**Section 5 - Tuition Fees**


5.1 Maximum Chargeable Tuition Fees— Bachelor of Arts Program
Ontario Universities
Compared with Average Personal and Family Income
1989-90 to 2001-02 ..... page 50-51

5.2 Tuition Fees— Selected Programs
Ontario Universities
1989-90 to 2001-02 ..... page 52-53

5.3 Tuition Fees— Bachelor of Arts Program
Selected Canadian Universities
Compared to Average Personal Income
1989-90 and 2001-02 ..... page 54-55

5.4 Tuition Plus Required Fees— Research and Doctoral Level Universities
Ontario and American Great Lakes States
Compared to Average Personal Income
2001-02 ..... page 56-57

**Section 6 - Student Financial Assistance**


6.1 Ontario Student Assistance Program (OSAP)
Ontario Government Student Support Program
1987-88 to 2001-02 ..... page 60-61

6.2 Scholarships and Bursaries
Compared to Total University Expenditures and Enrolment
Ontario Universities
1987-88 to 2000-01 ..... page 62-63

6.3 Ontario Student Assistance Program (OSAP)
Loan Default Rates by Sector
1996 to 2001 ..... page 64-65


**Section 7 - University Infrastructure**


7.1 Library Expenditures and Related Comparisons
Ontario Universities
1987-88 to 2000-01 ..... page 68-69

7.2 Ministry of Training, Colleges and Universities Capital Funding
Compared to Capital Expenditures at
Ontario Universities
1987-88 to 2000-01 ..... page 70-71

7.3 University Capital Expenditures per FTE Enrolment
Provincial Comparison
1988-89 to 1999-00 ..... page 72-73

7.4 University Capital and Plant Related Indicators
Provincial Comparison
1988-88 to 1999-00 ..... page 74

7.5 Inventory of Physical Space Compared to Generated Space
Ontario Universities
1986-87 to 1998-99 ..... page 76-77


**Section 8 - Faculty and Staff**


8.1 Faculty and Staff Compared to Enrolment
Ontario Universities
1987-88 to 2000-01 ..... page 80-81

8.2 Salaries and Wages Compared to Enrolment
Ontario Universities
1987-88 to 2000-01 ..... page 82-83

8.3 Employee Benefit Costs Compared to Salaries and Wages
Ontario Universities
1987-88 to 2000-01 ..... page 84-85

8.4 Average Class Sizes for Elementary and Secondary Schools
Student / Faculty Ratios for Colleges and Universities
Ontario
1987-88 to 2000-01 ..... page 86-87

8.5 FTE Enrolment per Full-Time Faculty— Canadian Universities
Provincial Comparison
1987-88 to 1999-00 ..... page 88-89

8.6 FTE Enrolment per FTE Faculty— Canadian Universities
Provincial Comparison
1987-88 to 1999-00 ..... page 90-91

**Section 9 - Education and Employment**

9.1 Unemployment Rate by Educational Attainment
Ontario and Canada
1990 to 2001 ..... page 94-95

9.2 Percent of Total Employment by Educational Attainment
Ontario
1990 to 2001 ..... page 96-97

9.3 Average Personal Income by Educational Attainment and Age
Ontario and Canada
1995 ..... page 98-99

**Appendices**


A Notes on Enrolment ..... page 102-103

B Methodology For Estimating Each Province=s
University Operating Grants Per FTE Student ..... page 104

C Methodology For Estimating Each Province=s
University Operating Expenditures Per FTE Student ..... page 105

D Ontario University Non-Salary Price Index (OUNSPI)
And Canada Consumer Price Index (CPI)
1980-81 to 1999-00 ..... page 106

E Ontario University Non-Salary Price Index (OUNSPI)
By Component
1980-81 to 1999-00 ..... page 107

F Ontario University Non-Salary Price Index (OUNSPI)
Annual Percentage Increases By Component
1980-81 to 1998-99 ..... page 108

G Ontario University Non-Salary Price Index (OUNSPI)
Component Weights and Sources ..... page 109

H Details of Provincial Operating Grants
Ontario Universities
1998-99 to 2001-02 ..... page 110-111

## To the Reader of this Report

The 2002 edition of the Council of Ontario Universities' *Resource Document* provides a comprehensive review of statistics and trends relevant to Ontario universities across a range of policy areas including grants and revenue, jurisdictional comparisons, comparisons with other sectors, research, tuition fees, student financial assistance, university infrastructure, faculty and staff, and education and employment.

### Context for the Resource Document

This review of statistics and trends is important given that Ontario is on the verge of experiencing the greatest increase in demand for university opportunities in 30 years. Recent projections from the Ministry of Training, Colleges and Universities (MTCU) suggest that enrolments in this province are likely to increase well over 100,000 or 48% between 1998 and 2015[1].

Enrolment is expected to increase dramatically owing to the following factors:

- secondary school reform in Ontario will allow students to graduate from high school in four years instead of five and will create a "double cohort" entering university in 2003,
- an increase in the population of 18-24 year olds,
- a projected increase in the participation rate or percentage of 18-24 year olds attending university,
- a trend towards more adult learners attending university for additional studies.

MTCU's *Update: Ontario's Plan for Students in the Double Cohort* (Spring/Summer 2002) reaffirms the Ontario Government's intention to ensure a place for every "willing and qualified student" within the postsecondary system. In addition, a 1998 Angus Reid poll indicated that Ontarians agree with the principle that all qualified students will have the opportunity to receive a university education of a quality that is at least comparable to that offered in competing jurisdictions.

Meeting these commitments and expectations will require a major investment by the people of Ontario. The pressure to respond to public expectations and student demand will be strongest where the grant reductions of the mid-1990s have left universities most vulnerable – in faculty numbers, physical capacity to accommodate increased enrolment, and facilities and resources for teaching, learning and research.

Considerable effort is being taken to help ensure that every qualified and motivated student will be accommodated. Senior-level representatives from the postsecondary community and government have been meeting regularly to consider the most cost-effective ways of responding to the projected major expansion in enrolment.

---

1 1998 is chosen as the base year because it represents the beginning year of the enrolment projections that have informed subsequent deliberations with government.

The funding requirements will be significant and the challenge extends beyond the provincial government. Decreased federal transfer payments in the 1990s further reduced the resources available to the provincial government for funding universities, and an increase in federal transfer payments would put the Government of Ontario in a much better position to make the necessary investment to expand our university sector.

## Highlights of this Report

### Section 1 - Grants and Revenue: The Ontario Picture

- Provincial operating grants from the Ministry of Training, Colleges and Universities to Ontario universities were $1,732 million in 2001-02, a 0.3% increase over 2000-01 (Table 1.1). The small increase was due largely to the discontinuation of start-up funding for the Access to Opportunities Program (ATOP). If this start-up funding is removed from the calculation, operating grants effectively increased by 3.6% in 2001-02.

- Despite the increases mentioned above, in constant dollar terms grants in 2001-02 are $604.3 million, or 25.9%, lower than in 1992-93— the "peak year" for operating grants (Table 1.1).

- Tuition fee revenue has increased dramatically since 1987-88 (Table 1.1). Beginning in 1996-97 universities were required to collect a fixed proportion (10% in 1996-97, 30% each year thereafter) of the additional tuition fee revenue due to rising tuition fee rates for use in student financial aid. This "set-aside" is projected to be $114.8 million in 2001-02.

- In constant dollar terms, provincial operating grants per student decreased by 32.5% between 1987-88 and 2001-02, while gross tuition fee (before set-aside provisions for student aid) revenue per student increased by 125.2%. Excluding set-aside, tuition revenues increased by 106.1% over the period (Table 1.2).

- Based on federal estimates, federal government support of Ontario post-secondary education, through Established Program Financing (EPF) and the Canada Health and Social Transfer (CHST), is estimated to have stayed flat in constant dollar terms from 1987-88 to 1999-00 but is projected to improve by 13.6% by 2002-03. (Table 1.3).

- Growth in Ontario's provincial budget and gross provincial product has outpaced funding to Ontario universities since 1987-88 (Table 1.4). The university share of the provincial budget dropped from 4.2% in 1987-88 to 2.6% in 1998-99 and grew to 2.9% for 2002-03. The university share of provincial gross domestic product (GDP) has continued to drop from 0.7% in 1992-93 to 0.4% in 2001-02 (Table 1.5). If universities had maintained their 1992-93 percentage shares of the provincial budget and GDP, university operating grants would have been $2,443 million and $3,211 million, respectively, in 2002-03. It is evident that Ontario's universities have not shared in the provincial revenue growth that has occurred with the economic growth.

- Ontario universities have increased their income from donations by 131% and from non-government grants and contracts by 228% in constant dollars since 1987-88. After growing rapidly between 1995-96 and 1998-99, donations have levelled off since

1999-00, perhaps suggesting donor fatigue and/or a steady state level without new investment in private fund-raising and/or enhanced incentives for private giving (Table 1.7).

**Section 2 - Grants and Revenue: Jurisdictional Comparisons**

- Ontario universities rank 10th out of the ten provinces in 1999-00 in terms of the percentage of their **operating** income that comes from provincial grants, 2nd in terms of fees, and 1st in terms of all other sources of income (Table 2.1).

- Ontario universities rank 8th out of the ten provinces in 1999-00 in terms of the percentage of their **total** income that comes from federal grants, 9th in terms of provincial grants, 2nd in terms of fees, and 3rd in terms of all other sources of income (Table 2.2).

- Ontario government funding for universities was 10th out of the ten provinces on a per *student* basis in 2001-01 (Table 2.3); and remained10th out of ten on a *per capita* basis (Table 2.4) and on a per *$1,000 of personal income* basis for the eighth year in a row (Table 2.5). Given 2001-02 funding levels, provincial funding to Ontario universities would have to increase by about $599 million to reach the funding per capita level of the other nine provinces, by about $861 million to reach the funding per student level, and by $1.1 billion to reach the funding per $1000 of personal provincial income level.

- Public, four-year peer universities in the United States received and spent approximately 30% more revenue and expense than Ontario universities in 1999-00. This represents a relative improvement in Ontario's revenue performance over 1998-99, mostly due to increases in tuition revenue from deregulated programs and to increased funding from the federal government for research. (Table 2.6).

- Over the past five years — between 1996-97 and 2001-02 — state support for post-secondary education increased by an average of 36.5% in US states, while in Ontario provincial support for post-secondary education increased by 12.5%. Ontario ranked 56th out of the 60 Canadian and US jurisdictions in terms of percentage ***change in funding*** over the five-year period (Table 2.7).

**Section 3 - Comparisons with Other Sectors**

- After several years of decline, constant dollar per client expenditures in Ontario's post-secondary education increased in 1999-00 and 2000-01. From 1987-88 to 2000-01 university expenditures per FTE grew by 11.4% in real terms (Table 3.1).

- Compared with other Canadian provinces, Ontario is 20% above the average in terms of school spending, but less than 1% above the average in terms of total university spending (Table 3.2).

**Section 4 - Research**

- Research infrastructure at Ontario universities is in decline. From 1987-88 to 2000-01, sponsored research expenditures grew by 123.3% in constant dollars, but operating expenditures, which include support for research activities, grew by only 28.9% (Table 4.1).

- At its inception in 1987-88, the Ontario government's Research Overhead/ Infrastructure Envelope represented 20.1% of peer-adjudicated federal research grants. By 2001-02, it represented only 14.1% (Table 4.2).

- From 1987-88 to 1999-00, Ontario's share of sponsored research funding from the three major federal granting agencies decreased from 38.9% to 36.2% (Table 4.3).

- In 1999, Ontario spent $589 per capita in gross expenditure on research and development (GERD). This places Ontario third after the United States and Japan when compared against the G-7 countries. Canada and Ontario ranked first and second, however, in the percentage of GERD performed by the higher education sector (Table 4.4).

**Section 5 - Tuition Fees**

- From 1988-89 to 2001-02, tuition fees for Bachelor of Arts programs in Ontario universities increased from about $1,400 per year to about $4,000 per year (Table 5.2).

- Within Canada, only Nova Scotia has higher Bachelor of Arts tuition fees than Ontario. As a percent of average personal income, tuition in Ontario is similar to Alberta, higher than Quebec, Manitoba and B.C and lower than the other provinces (Table 5.3)[2].

- Tuition **and** required fees in Ontario universities constitute 14.7% of average personal income, compared with 16.5% for public university tuition and fees in the Great Lakes states (Table 5.4).

**Section 6 - Student Financial Assistance**

- Provincial government spending on financial assistance for Ontario post-secondary students rose from about $180 million in 1987-88 to almost $868 million in 1999-00. The Ontario government projects that this will decrease to $504 million in 2001-02 (Table 6.1). It is important to keep in mind that the Ontario government made a policy decision to discontinue OSAP grants in 1993-94 and replace it with a loan-based system. In recent years, some attention has been paid to restoring student grants through a variety of mechanisms. Additionally, through the Ontario Student

---

2 Recent changes in tuition policy in Newfoundland, Manitoba and British Columbia will alter these figures in the future.

Opportunities Trust Fund (OSOTF) and the Tuition Set-aside, more student aid is now provided directly by the universities.

- The amount per student that Ontario universities spent on scholarships and bursaries increased by more than 520% between 1987-88 and 2000-01. Expenditures on scholarships and bursaries have increased from 1.6% of total university expenditures to 4.8% (Table 6.2).

- Although OSAP loan default rates for university students rose slightly from 7.1% in 2000 to 7.4% in 2001, they are significantly lower than for students in other sectors of post-secondary education (Table 6.3).

**Section 7 - University Infrastructure**

- The price of library books and periodicals is increasing more rapidly than library acquisition expenditures, which in turn are increasing more rapidly than total library expenses, which in turn are increasing more rapidly than enrolment (Table 7.1).

- The percentage of university capital expenditures funded by the Ontario Ministry of Training, Colleges and Universities declined from 55% in 1987-88 to 20% in 1998-99 (Table 7.2). Capital funding from MTCU jumped dramatically from $35.4 million in 1998-99 to $604.8 million in 1999-00 because of the SuperBuild program, which was driven by the need to accommodate the projected increase in enrolment over the decade. It moderated to $94.1 million in 2000-01 and dropped further to $26.7 million in 2001-02.

- Despite a jump of $201 per FTE in capital expenditures in 1999-00, against other provinces Ontario dropped from 6$^{th}$ place in 1998-99 to 7$^{th}$ place in 1999-00 in terms of capital expenditures per FTE, averaged over the decade. (Table 7.3).

- Despite improvement over 1998-99, in 1999-00 Ontario continued to rank below many of the other nine provinces in terms of several capital and plant related indicators. (Table 7.4).

- Ontario universities are operating with only 86% of required space, as measured against established space standards (Table 7.5).

**Section 8 - Faculty and Staff**

- The number of faculty and staff at Ontario universities declined 7% between 1987-88 and 2000-01, while enrolment increased by 20% (Table 8.1).

- Total faculty and staff salaries, in terms of constant dollars, have also not kept pace with increasing enrolment (Table 8.2).

- Statutory employee benefit costs rose sharply between 1987-88 and 2000-01 and have gone from 3.9% to 6.3% of total compensation over that period (Table 8.3).

- Student/Faculty ratios continued to deteriorate in the university sector from 1997-98 to 2000-01 while elementary and secondary school ratios improved over the same period (Table 8.4).

- Ontario universities have the highest ratio of full-time equivalent (FTE) students to full-time faculty, and FTE students to FTE faculty in the country (Table 8.5 and 8.6).

**Section 9 - Education and Employment**

- Unemployment rates for those with a university degree are consistently and considerably lower than for those without a university degree (Table 9.1).

- The percentage of jobs in Ontario held by university graduates continues to increase, ranging from 17.5% in 1990 to 23.9% in 2001 (Table 9.2).

- Average personal income increases substantially with level of educational attainment (Tables 9.3).

# Section 1

# Grants and Revenue: The Ontario Picture

**TABLE 1.1**

**PROVINCIAL OPERATING GRANTS**
**AND TUITION FEE REVENUE**
**ONTARIO UNIVERSITIES**
**1987-88 TO 2001-02**

| | Actual $000s | | | Constant 2001-02 $000s | | |
|---|---|---|---|---|---|---|
| | Operating Grants | Tuition Fees | Grants + Fees | Operating Grants | Tuition Fees | Grants + Fees |
| 1987-88 | $1,451,592 | $343,728 | $1,795,320 | $2,058,259 | $487,383 | $2,545,642 |
| 1988-89 | $1,554,947 | $379,690 | $1,934,637 | $2,117,643 | $517,090 | $2,634,733 |
| 1989-90 | $1,676,864 | $421,021 | $2,097,885 | $2,167,730 | $544,266 | $2,711,996 |
| 1990-91 | $1,822,796 | $474,561 | $2,297,357 | $2,242,522 | $583,836 | $2,826,358 |
| 1991-92 | $1,945,074 | $532,429 | $2,477,503 | $2,301,105 | $629,886 | $2,930,991 |
| 1992-93 | $2,009,133 | $596,665 | $2,605,798 | $2,336,763 | $693,963 | $3,030,726 |
| 1993-94 | $1,875,973 | $630,966 | $2,506,939 | $2,154,080 | $724,505 | $2,878,585 |
| 1994-95 | $1,853,629 | $677,179 | $2,530,808 | $2,115,977 | $773,022 | $2,888,999 |
| 1995-96 | $1,822,477 | $744,393 | $2,566,870 | $2,038,689 | $832,705 | $2,871,394 |
| 1996-97 | $1,550,722 | $846,891 | $2,397,613 | $1,703,775 | $930,477 | $2,634,252 |
| 1997-98 | $1,550,972 | $920,047 | $2,471,019 | $1,683,519 | $998,675 | $2,682,194 |
| 1998-99 | $1,596,514 | $1,025,491 | $2,622,005 | $1,715,465 | $1,101,897 | $2,817,361 |
| 1999-00 | $1,640,581 | $1,179,444 | $2,820,025 | $1,724,837 | $1,240,017 | $2,964,854 |
| 2000-01 | $1,726,897 | $1,271,826 | $2,998,723 | $1,764,889 | $1,299,806 | $3,064,695 |
| 2001-02 | $1,732,385 | *$1,368,221* | *$3,100,606* | *$1,732,385* | *$1,368,221* | *$3,100,606* |

Notes:

Operating Grants:

See Appendix H for details regarding 1998-99 to 2001-02.

Tuition Fees:

Affiliated and federated colleges included.

Estimate of 2001-02 tuition fee revenue reflects combined impact of 2.75% increase in tuition fee rates (2% * 75% regulated programs + 5% * 25% deregulated programs), and a 4.7% increase in FTE enrolment.

Beginning in 1996-97 universities were required to set aside for increased student financial assistance a fixed proportion (10% in 1996-97, 30% each year thereafter) of the additional tuition fee revenue attributable to rising tuition fee rates. The "set-aside" was $11.8M in 1996-97, $32.5M in 1997-98, $54.8M in 1998-99, $84.5M in 1999-2000, $98.2M in 2000-01 and is projected to be $114.8 in 2001-02.

CPI: Canada, May to April for each year.

Sources:

| | |
|---|---|
| Operating Grants: | Public Accounts of Ontario, 1987-88 to 1994-95<br>MTCU Grant Announcements, 1995-96 to 2001-02 |
| Tuition Fees: | COFO-UO, Financial Report of Ontario Universities, 1987-88 to 2000-01. |
| CPI: | Statistics Canada |

**FIGURE 1.1**

**PROVINCIAL OPERATING GRANTS AND TUITION FEE REVENUE ONTARIO UNIVERSITIES 1987-88 TO 2001-02**

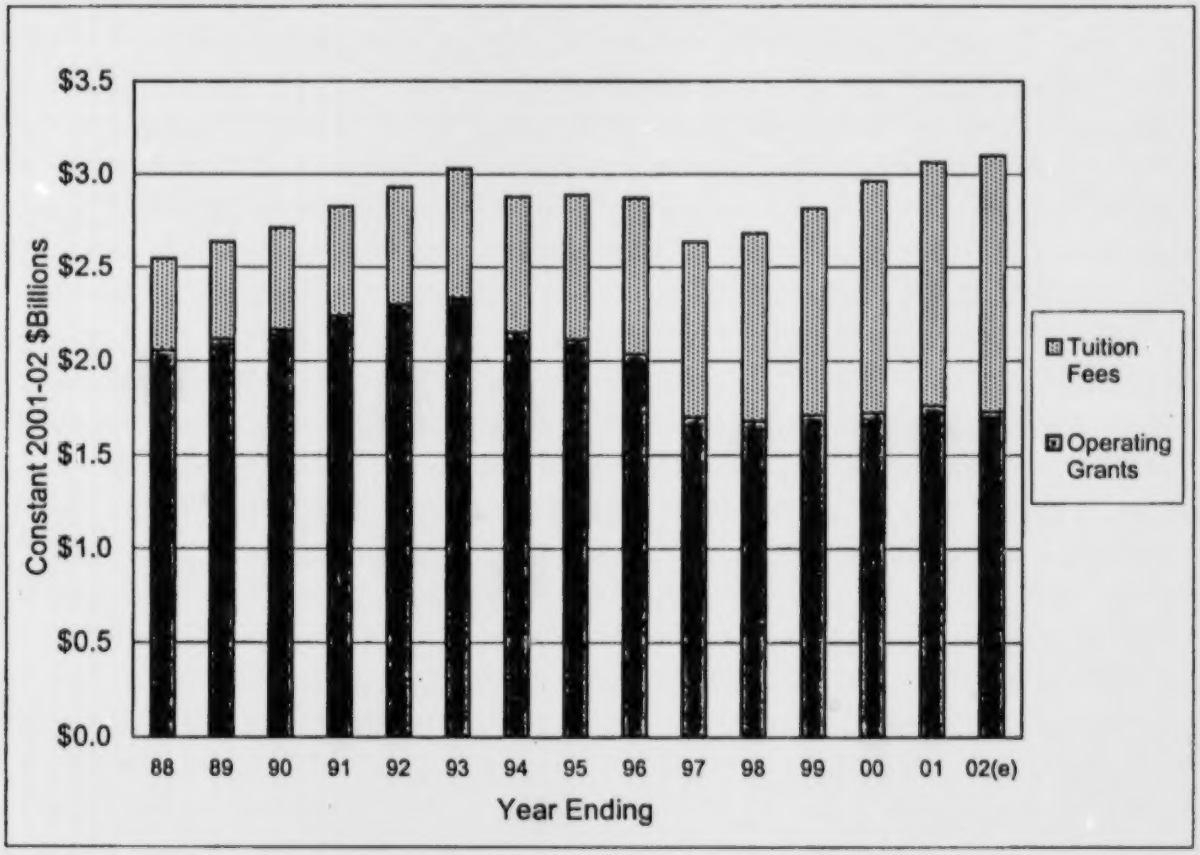


**TABLE 1.2**

**PROVINCIAL OPERATING GRANTS AND TUITION FEE REVENUE PER FTE ENROLMENT ONTARIO UNIVERSITIES 1987-88 TO 2001-02**

| | | Actual Dollars | | | | | | Constant 2001-02 Dollars | | | | | Index of Constant 2001-02 Dollars | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FTE Enrolment | Operating Grants | Gross Tuition | Grant + Gross Tuition | Tuition Set-Aside | Net Tuition Fees | Grants + NTF | Operating Grants | Gross Tuition | Grant + Gross Tuition | Net Tuition Fees | Grants + NTF + TSA | Operating Grants | Gross Tuition | Grant + Gross Tuition | Net Tuition Fees | Grants + NTF |
| 1987-88 | 221,446 | $6,555 | $1,552 | $8,107 | $0 | $1,552 | $8,107 | $9,295 | $2,201 | $11,496 | $2,201 | $11,496 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 1988-89 | 230,357 | $6,750 | $1,648 | $8,398 | $0 | $1,648 | $8,398 | $9,193 | $2,245 | $11,438 | $2,245 | $11,438 | 98.9 | 102.0 | 99.5 | 102.0 | 99.5 |
| 1989-90 | 237,752 | $7,053 | $1,771 | $8,824 | $0 | $1,771 | $8,824 | $9,118 | $2,289 | $11,407 | $2,289 | $11,407 | 98.1 | 104.0 | 99.2 | 104.0 | 99.2 |
| 1990-91 | 246,628 | $7,391 | $1,924 | $9,315 | $0 | $1,924 | $9,315 | $9,093 | $2,367 | $11,460 | $2,367 | $11,460 | 97.8 | 107.6 | 99.7 | 107.6 | 99.7 |
| 1991-92 | 256,592 | $7,580 | $2,075 | $9,655 | $0 | $2,075 | $9,655 | $8,968 | $2,455 | $11,423 | $2,455 | $11,423 | 96.5 | 111.5 | 99.4 | 111.5 | 99.4 |
| 1992-93 | 261,380 | $7,687 | $2,283 | $9,969 | $0 | $2,283 | $9,969 | $8,940 | $2,655 | $11,595 | $2,655 | $11,595 | 96.2 | 120.6 | 100.9 | 120.6 | 100.9 |
| 1993-94 | 259,346 | $7,233 | $2,433 | $9,666 | $0 | $2,433 | $9,666 | $8,306 | $2,794 | $11,099 | $2,794 | $11,099 | 89.4 | 126.9 | 96.6 | 126.9 | 96.6 |
| 1994-95 | 256,753 | $7,220 | $2,637 | $9,857 | $0 | $2,637 | $9,857 | $8,241 | $3,011 | $11,252 | $3,011 | $11,252 | 88.7 | 136.8 | 97.9 | 136.8 | 97.9 |
| 1995-96 | 253,545 | $7,188 | $2,936 | $10,124 | $0 | $2,936 | $10,124 | $8,041 | $3,284 | $11,325 | $3,284 | $11,325 | 86.5 | 149.2 | 98.5 | 149.2 | 98.5 |
| 1996-97 | 249,294 | $6,220 | $3,397 | $9,618 | $47 | $3,350 | $9,570 | $6,834 | $3,732 | $10,567 | $3,680 | $10,515 | 73.5 | 169.6 | 91.9 | 167.2 | 91.5 |
| 1997-98 | 248,441 | $6,243 | $3,703 | $9,946 | $131 | $3,572 | $9,815 | $6,776 | $4,020 | $10,796 | $3,878 | $10,654 | 72.9 | 182.6 | 93.9 | 176.2 | 92.7 |
| 1998-99 | 249,984 | $6,386 | $4,102 | $10,489 | $219 | $3,883 | $10,269 | $6,862 | $4,408 | $11,270 | $4,172 | $11,035 | 73.8 | 200.3 | 98.0 | 189.6 | 96.0 |
| 1999-00 | 257,895 | $6,361 | $4,573 | $10,935 | $328 | $4,245 | $10,606 | $6,668 | $4,808 | $11,496 | $4,463 | $11,151 | 72.0 | 218.5 | 100.0 | 202.8 | 97.0 |
| 2000-01 | 263,989 | $6,542 | $4,818 | $11,359 | $372 | $4,446 | $10,987 | $6,685 | $4,924 | $11,609 | $4,544 | $11,229 | 71.9 | 223.7 | 101.0 | 206.4 | 97.7 |
| 2001-02 | 276,278 | *$6,270* | *$4,952* | *$11,223* | *$416* | *$4,537* | *$10,807* | *$6,270* | *$4,952* | *$11,223* | *$4,537* | *$10,807* | *67.5* | *225.0* | *97.6* | *206.1* | *94.0* |

Notes: FTE Enrolment: COU estimate of Fall, eligible + ineligible, undergraduate + graduate, full-time equivalent enrolment (see Appendix A).
Net Tuition Fees exclude Tuition Set-Aside.

Sources: Operating Grants and Tuition Fees: Resource Document, Table 1.1.
Full-time and part-time enrolment: Ministry of Training, Colleges and Universities.
Tuition Set-Aside: Ministry of Training, Colleges and Universities.

FIGURE 1.2

PROVINCIAL OPERATING GRANTS
AND TUITION FEE REVENUE
PER FTE ENROLMENT
ONTARIO UNIVERSITIES
1987-88 TO 2001-02

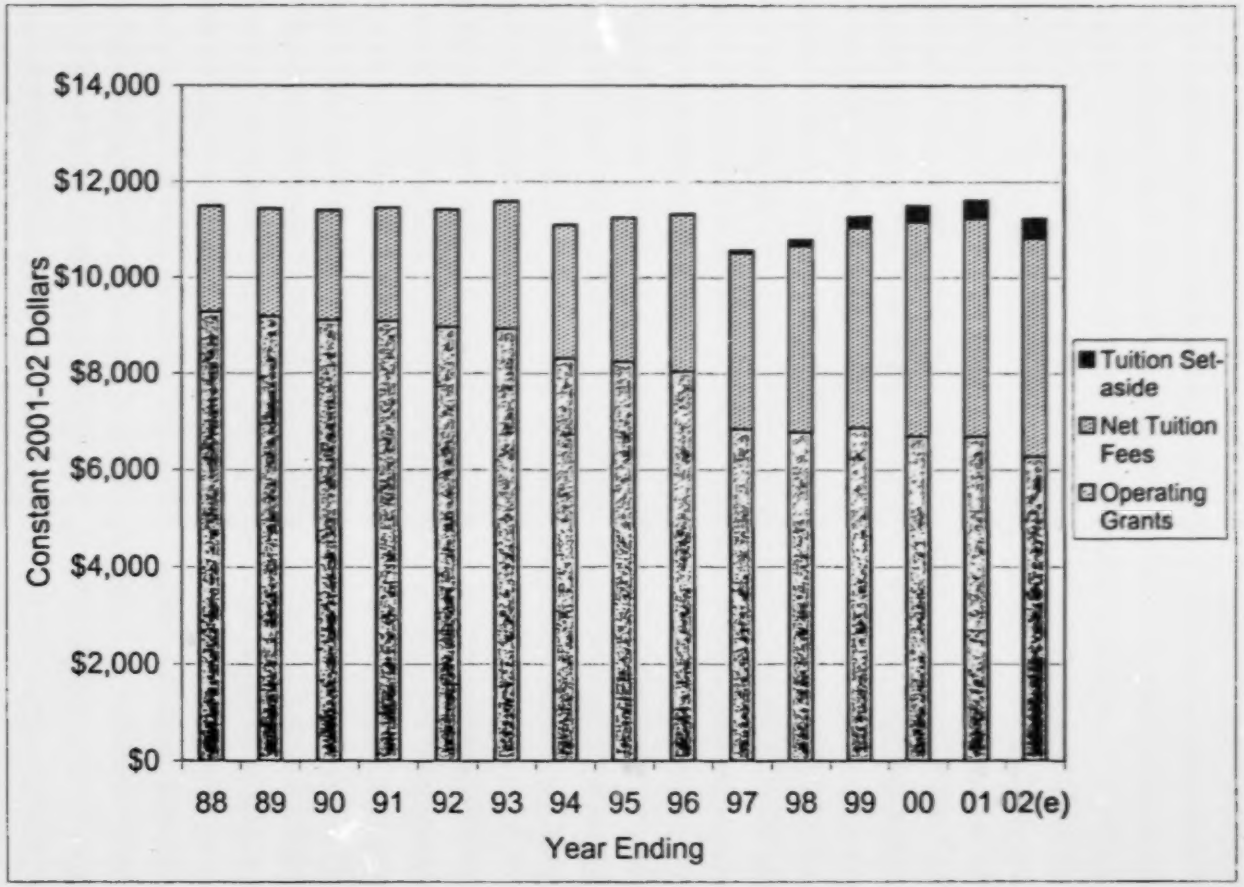


**TABLE 1.3**

**FEDERAL EPF AND CHST SUPPORT OF ONTARIO POST-SECONDARY EDUCATION 1987-88 TO 2002-03**

| | | Tax Transfers Actual $ | Cash Transfers Actual $ | Total Transfers Actual $ | Total Transfers Constant $ | Index of Constant $ |
|---|---|---|---|---|---|---|
| EPF | 1987-88 | $1,055,669 | $782,037 | $1,837,706 | *$2,654,771* | 100.0 |
| | 1988-89 | $1,180,009 | $775,937 | $1,955,946 | *$2,713,873* | 102.2 |
| | 1989-90 | $1,300,929 | $790,246 | $2,091,175 | *$2,754,186* | 103.7 |
| | 1990-91 | $1,309,574 | $824,862 | $2,134,436 | *$2,675,329* | 100.8 |
| | 1991-92 | $1,286,070 | $923,867 | $2,209,937 | *$2,663,642* | 100.3 |
| | 1992-93 | $1,261,436 | $985,040 | $2,246,476 | *$2,661,971* | 100.3 |
| | 1993-94 | $1,291,314 | $990,153 | $2,281,467 | *$2,668,979* | 100.5 |
| | 1994-95 | $1,348,866 | $960,344 | $2,309,210 | *$2,685,636* | 101.2 |
| | 1995-96 | $1,453,514 | $916,014 | $2,369,528 | *$2,700,513* | 101.7 |
| *CHST* | * *1996-97* | *$1,562,547* | *$567,037* | *$2,129,584* | *$2,383,794* | *89.8* |
| | * *1997-98* | *$1,744,033* | *$311,085* | *$2,055,117* | *$2,272,722* | *85.6* |
| | * *1998-99* | *$1,908,747* | *$242,893* | *$2,151,640* | *$2,355,452* | *88.7* |
| | * *1999-00* | *$2,098,167* | *$380,068* | *$2,478,235* | *$2,654,535* | *100.0* |
| | * *2000-01* | *$2,215,921* | *$432,213* | *$2,648,134* | *$2,757,315* | *103.9* |
| | * *2001-02* | *$2,163,505* | *$733,181* | *$2,896,686* | *$2,951,723* | *111.2* |
| | * *2002-03* | *$2,222,158* | *$793,957* | *$3,016,115* | *$3,016,115* | *113.6* |

Notes: All figures in $000s.
Constant dollars are in terms of 2002-03 dollars.
CAP and EPF targeted-funding was replaced by CHST block-funding in 1996-97.

CAP - Canada Assistance Plan - supported Social Welfare.
EPF - Established Programs Financing - supported health and post-secondary education, with specified amounts for each.
CHST - Canada Health and Social Transfer - supports social welfare, health, and post-secondary education, without specified amounts for each.

* CHST funding for Ontario post-secondary education estimated by pro-rating total CHST funding for Ontario according to the same proportions of CAP and EPF funding for Ontario post-secondary education in 1995-96.

Sources: Established Programs Financing, and Canada Health and Social Transfer, Canada Department of Finance, Federal-Provincial Relations Division
1998-99 and before are final entitlements; 1999-00 is the 7th estimate; 2000-01 is the 5th estimate; 2001-02 is the 3rd estimate; 2002-03 is the 1st estimate.
Estimates are by the Federal Department of Finance.

CPI: Statistics Canada.
2002-03: CPI estimated at 1.9% (Institute of Policy Analysis, University of Toronto)

FIGURE 1.3

FEDERAL EPF AND CHST SUPPORT OF
ONTARIO POST-SECONDARY EDUCATION
1987-88 TO 2002-03

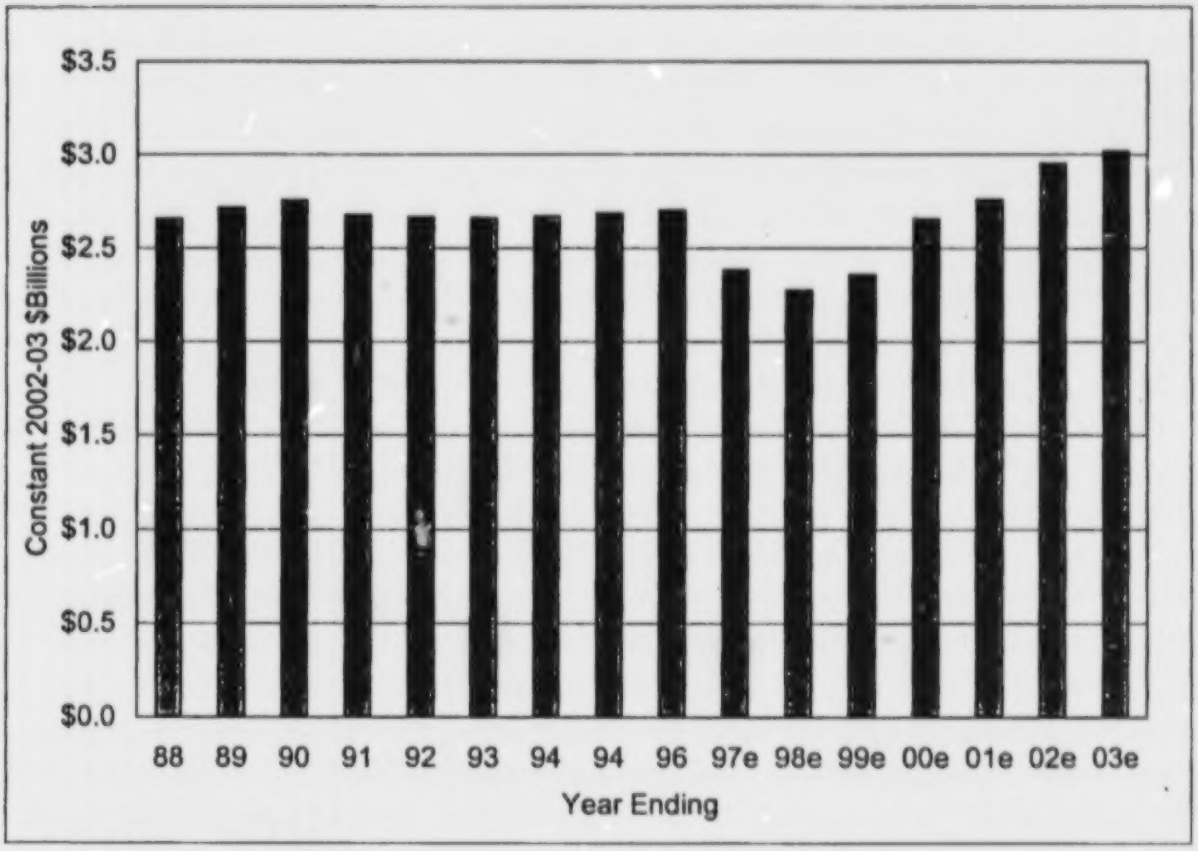


**TABLE 1.4**

**UNIVERSITY OPERATING GRANTS**
**COMPARED TO TOTAL PROVINCIAL BUDGET**
**AND GROSS DOMESTIC PRODUCT**
**ONTARIO**
**1987-88 TO 2002-03**

| | | University Operating Grants | Total Provincial Budget | Public Debt Interest | Total Prov Budget - Public Debt Interest | Gross Domestic Product |
|---|---|---|---|---|---|---|
| $Millions | | | | | | |
| | 1987-88 | $1,451.6 | $34,941.9 | $3,771.3 | $31,170.6 | $226,798 |
| | 1988-89 | $1,554.9 | $38,734.9 | $4,032.4 | $34,702.5 | $253,143 |
| | 1989-90 | $1,676.9 | $41,602.4 | $4,284.4 | $37,318.0 | $276,073 |
| | 1990-91 | $1,822.8 | $46,457.7 | $4,313.2 | $42,144.5 | $277,508 |
| | 1991-92 | $1,945.1 | $51,683.2 | $4,196.2 | $47,487.0 | $281,570 |
| | 1992-93 | $2,009.1 | $53,706.9 | $5,293.0 | $48,413.9 | $285,101 |
| | 1993-94 | $1,876.0 | $53,883.4 | $6,959.1 | $46,924.3 | $291,733 |
| | 1994-95 | $1,853.6 | $53,616.8 | $7,882.4 | $45,734.4 | $309,031 |
| | 1995-96 | $1,823.1 | $58,155.1 | $8,116.2 | $50,038.9 | $327,246 |
| | 1996-97 | $1,550.7 | $54,021.8 | $8,648.3 | $45,373.5 | $335,843 |
| | 1997-98 | $1,548.8 | $54,643.5 | $8,184.2 | $46,459.2 | $359,953 |
| | 1998-99 | $1,596.5 | $60,287.5 | $8,907.8 | $51,379.7 | $378,124 |
| | 1999-00 | $1,640.6 | $61,088.4 | $9,661.8 | $51,426.6 | $405,625 |
| | 2000-01 | $1,726.9 | $64,525.4 | $9,401.0 | $55,124.4 | 429,530 |
| | 2001-02 | $1,732.4 | *$65,972.6* | *$9,318.0* | *$56,654.6* | *$440,051* |
| | 2002-03 | $1,869.3 | *$65,294.4* | *$9,156.0* | *$56,138.4* | *$455,642* |
| Index | | | | | | |
| | 1987-88 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| | 1988-89 | 107.1 | 110.9 | 106.9 | 111.3 | 111.6 |
| | 1989-90 | 115.5 | 119.1 | 113.6 | 119.7 | 121.7 |
| | 1990-91 | 125.6 | 133.0 | 114.4 | 135.2 | 122.4 |
| | 1991-92 | 134.0 | 147.9 | 111.3 | 152.3 | 124.2 |
| | 1992-93 | 138.4 | 153.7 | 140.4 | 155.3 | 125.7 |
| | 1993-94 | 129.2 | 154.2 | 184.5 | 150.5 | 128.6 |
| | 1994-95 | 127.7 | 153.4 | 209.0 | 146.7 | 136.3 |
| | 1995-96 | 125.6 | 166.4 | 215.2 | 160.5 | 144.3 |
| | 1996-97 | 106.8 | 154.6 | 229.3 | 145.6 | 148.1 |
| | 1997-98 | 106.7 | 156.4 | 217.0 | 149.0 | 158.7 |
| | 1998-99 | 110.0 | 172.5 | 236.2 | 164.8 | 166.7 |
| | 1999-00 | 113.0 | 174.8 | 256.2 | 165.0 | 178.8 |
| | 2000-01 | 119.0 | 184.7 | 249.3 | 176.8 | 189.4 |
| | 2001-02 | 119.3 | 188.8 | 247.1 | 181.8 | 194.0 |
| | 2002-03 | 128.8 | 186.9 | 242.8 | 180.1 | 200.9 |

Notes:

Increase in Provincial Budget in 1995-96 is partly due to losses on loans of $4.09 billion under the *Financial Administration Act*.

Sources:

University Operating Grants, Total Provincial Budget, Public Debt Interest:
Public Accounts of Ontario, 1987-88 to 2000-01
Expenditure Estimates of Ontario, 2001-02 and 2002-03
Gross Domestic Product:
Statistics Canada, CANSIM, 1987-88 to 1998-99
1999/00 - 2000/01 GDP from Ontario Budget 2001, p. 69
Interim 2001-02 GDP from Ontario Budget 2002, p. 63

**FIGURE 1.4**

**UNIVERSITY OPERATING GRANTS
COMPARED TO TOTAL PROVINCIAL BUDGET
AND GROSS DOMESTIC PRODUCT
ONTARIO
1987-88 TO 2002-03**

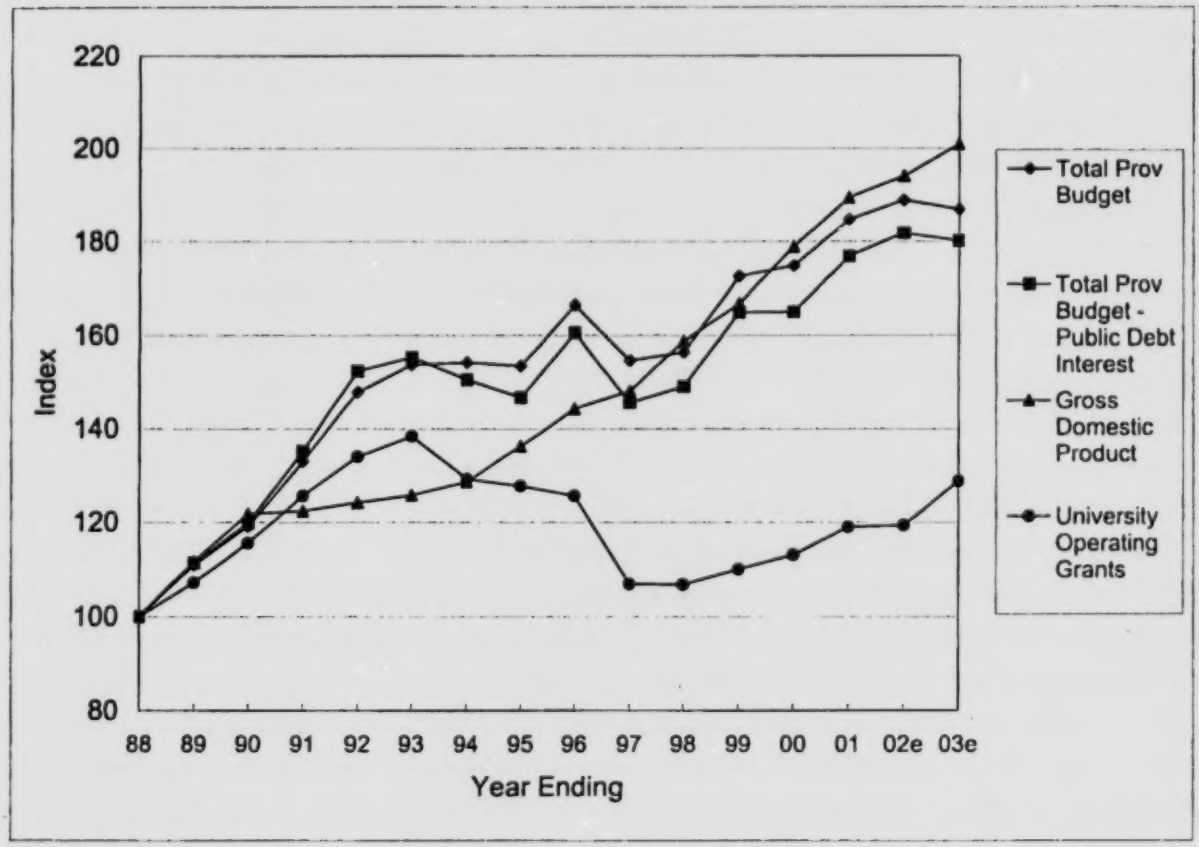


**TABLE 1.5**

**RATIOS OF UNIVERSITY OPERATING GRANTS, TOTAL PROVINCIAL BUDGET AND GROSS DOMESTIC PRODUCT ONTARIO 1987-88 TO 2002-03**

| | Total Prov Budget as a Share of Gross Domestic Product | | Univ Operating Grants as a Share of Total Prov Budget | | Univ Operating Grants as a Share of Total Prov Budget - Public Debt Interest | | Univ Operating Grants as a Share of Gross Domestic Product | |
|---|---|---|---|---|---|---|---|---|
| | % | Index | % | Index | % | Index | % | Index |
| 1987-88 | 15.4% | 100.0 | 4.15% | 100.0 | 4.66% | 100.0 | 0.640% | 100.0 |
| 1988-89 | 15.3% | 99.3 | 4.01% | 96.6 | 4.48% | 96.2 | 0.614% | 96.0 |
| 1989-90 | 15.1% | 97.8 | 4.03% | 97.0 | 4.49% | 96.5 | 0.607% | 94.9 |
| 1990-91 | 16.7% | 108.7 | 3.92% | 94.4 | 4.33% | 92.9 | 0.657% | 102.6 |
| 1991-92 | 18.4% | 119.1 | 3.76% | 90.6 | 4.10% | 88.0 | 0.691% | 107.9 |
| 1992-93 | 18.8% | 122.3 | 3.74% | 90.0 | 4.15% | 89.1 | 0.705% | 110.1 |
| 1993-94 | 18.5% | 119.9 | 3.48% | 83.8 | 4.00% | 85.8 | 0.643% | 100.5 |
| 1994-95 | 17.3% | 112.6 | 3.46% | 83.2 | 4.05% | 87.0 | 0.600% | 93.7 |
| 1995-96 | 17.8% | 115.3 | 3.13% | 75.5 | 3.64% | 78.2 | 0.557% | 87.0 |
| 1996-97 | 16.1% | 104.4 | 2.87% | 69.1 | 3.42% | 73.4 | 0.462% | 72.1 |
| 1997-98 | 15.2% | 98.5 | 2.83% | 68.2 | 3.33% | 71.6 | 0.430% | 67.2 |
| 1998-99 | 15.9% | 103.5 | 2.65% | 63.7 | 3.11% | 66.7 | 0.422% | 66.0 |
| 1999-00 | 15.1% | 97.8 | 2.69% | 64.6 | 3.19% | 68.5 | 0.404% | 63.2 |
| 2000-01 | 15.0% | 97.5 | 2.68% | 64.4 | 3.13% | 67.3 | 0.402% | 62.8 |
| 2001-02 | 15.0% | 97.3 | 2.63% | 63.2 | 3.06% | 65.7 | 0.394% | 61.5 |
| 2002-03 | 14.3% | 93.0 | 2.86% | 68.9 | 3.33% | 71.5 | 0.410% | 64.1 |

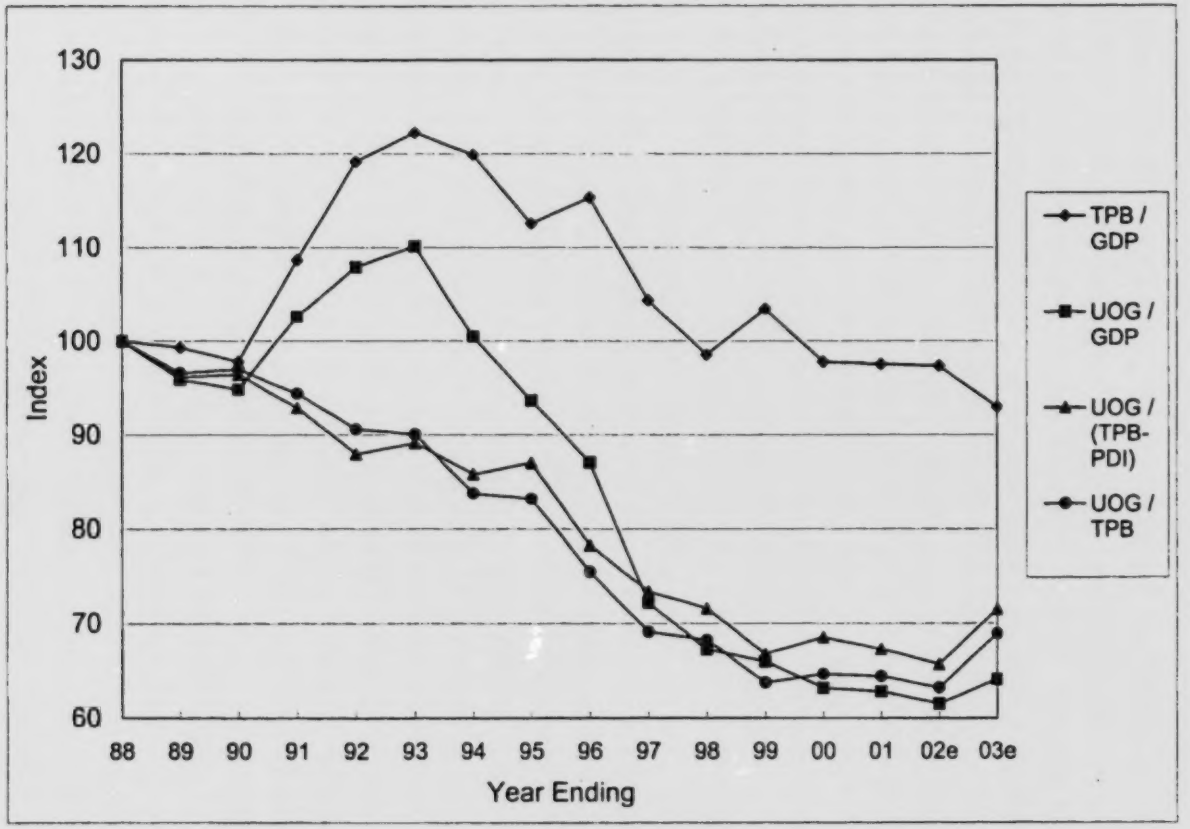
Source: Resource Document, Table 1.4

**Funding Needed in 2002-03 to Achieve 1992-93 Share of GDP and Provincial Budget**

| | | | |
|---|---|---|---|
| 1992-93 % of GDP | 0.705% | 1992-93 % of Prov. Budget | 3.74% |
| 2002-03 GDP ($ billions) | $455,642 | 2002-03 Prov. Budget ($ billions) | $65,294 |
| apply to 2002-03 ($ millions) | $3,211 | apply to 2002-03 ($ millions) | $2,443 |
| actual 2002-03 ($ millions) | $1,869 | actual 2002-03 ($ millions) | $1,869 |
| amount needed to catch up | $1,342 million | amount needed to catch up | $573 million |

**FIGURE 1.5**

**RATIOS OF UNIVERSITY OPERATING GRANTS,
TOTAL PROVINCIAL BUDGET
AND GROSS PROVINCIAL PRODUCT
ONTARIO
1987-88 TO 2002-03**




Legend GPP - Gross Provincial Product; PDI - Public Debt Interest;
TPB - Total Provincial Budget; UOG - University Operating Grants

## TABLE 1.6

## INCOME FROM FEDERAL GRANTS AND CONTRACTS
## ONTARIO UNIVERSITIES
## 1987-88 TO 2000-01

| | Actual $000s | Constant 2000-01 $000s | Index of Constant 2000-01 Dollars |
|---|---|---|---|
| 1987-88 | $230,938 | $320,406 | 100.0 |
| 1988-89 | $253,650 | $338,003 | 105.5 |
| 1989-90 | $269,125 | $340,416 | 106.2 |
| 1990-91 | $319,665 | $384,807 | 120.1 |
| 1991-92 | $309,582 | $358,365 | 111.8 |
| 1992-93 | $338,673 | $385,421 | 120.3 |
| 1993-94 | $348,314 | $391,341 | 122.1 |
| 1994-95 | $346,555 | $387,088 | 120.8 |
| 1995-96 | $346,843 | $379,639 | 118.5 |
| 1996-97 | $327,377 | $351,946 | 109.8 |
| 1997-98 | $320,116 | $339,993 | 106.1 |
| 1998-99 | $367,305 | $386,176 | 120.5 |
| 1999-00 | $458,865 | $472,046 | 147.3 |
| 2000-01 | $585,171 | $585,171 | 182.6 |

Notes: Most federal grants and contracts are for research.
Total expendable income.
Includes affiliated and federated institutions.
2000-01 figure includes $93 million for the Canadian Foundation for Innovation (CFI)

Source: COFO-UO, Financial Report of Ontario Universities.

FIGURE 1.6

INCOME FROM FEDERAL GRANTS AND CONTRACTS
ONTARIO UNIVERSITIES
1987-88 TO 2000-01

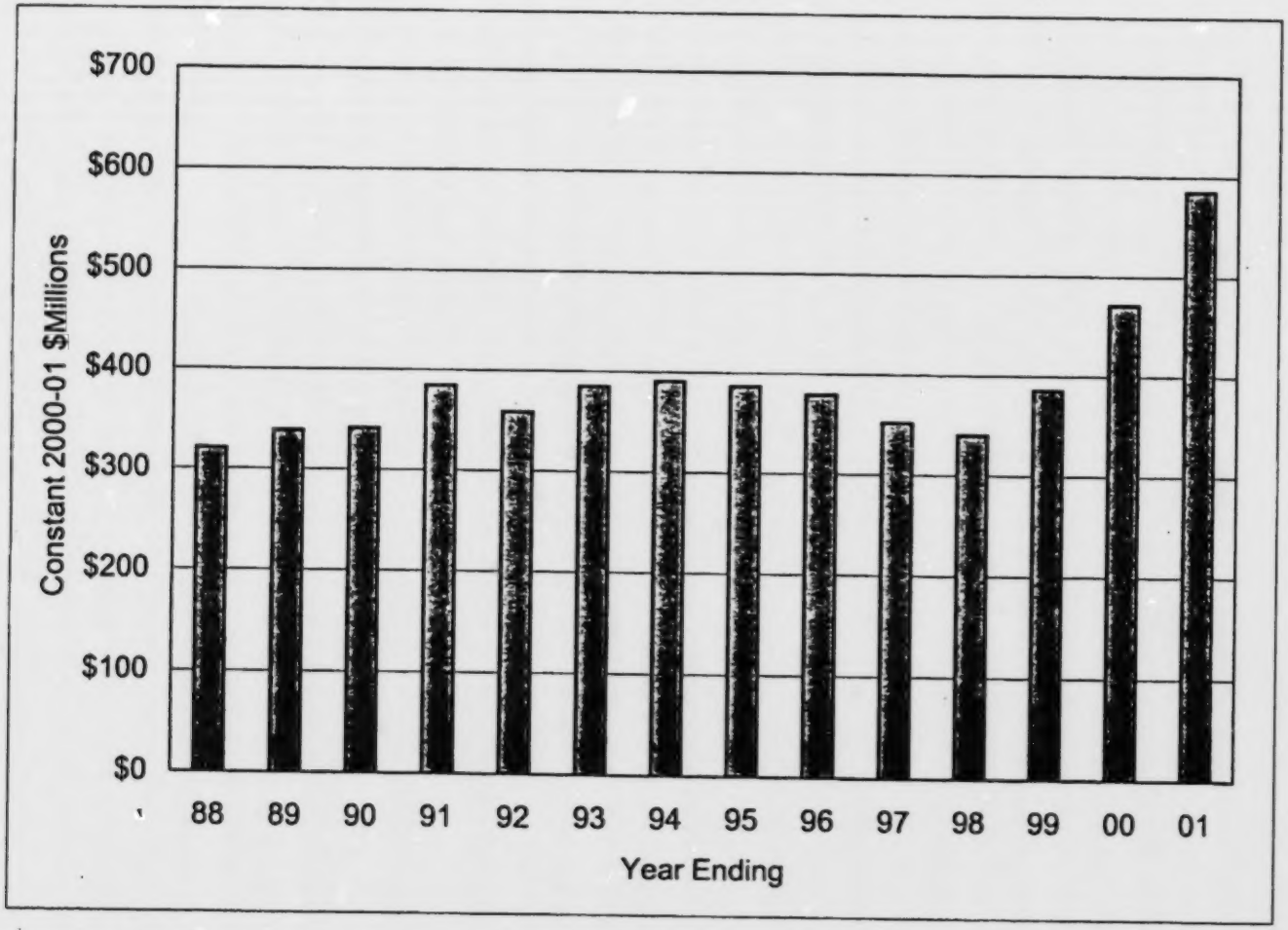


**TABLE 1.7**

**INCOME FROM DONATIONS**
**AND NON-GOVERNMENT GRANTS AND CONTRACTS**
**ONTARIO UNIVERSITIES**
**1987-88 TO 2000-01**

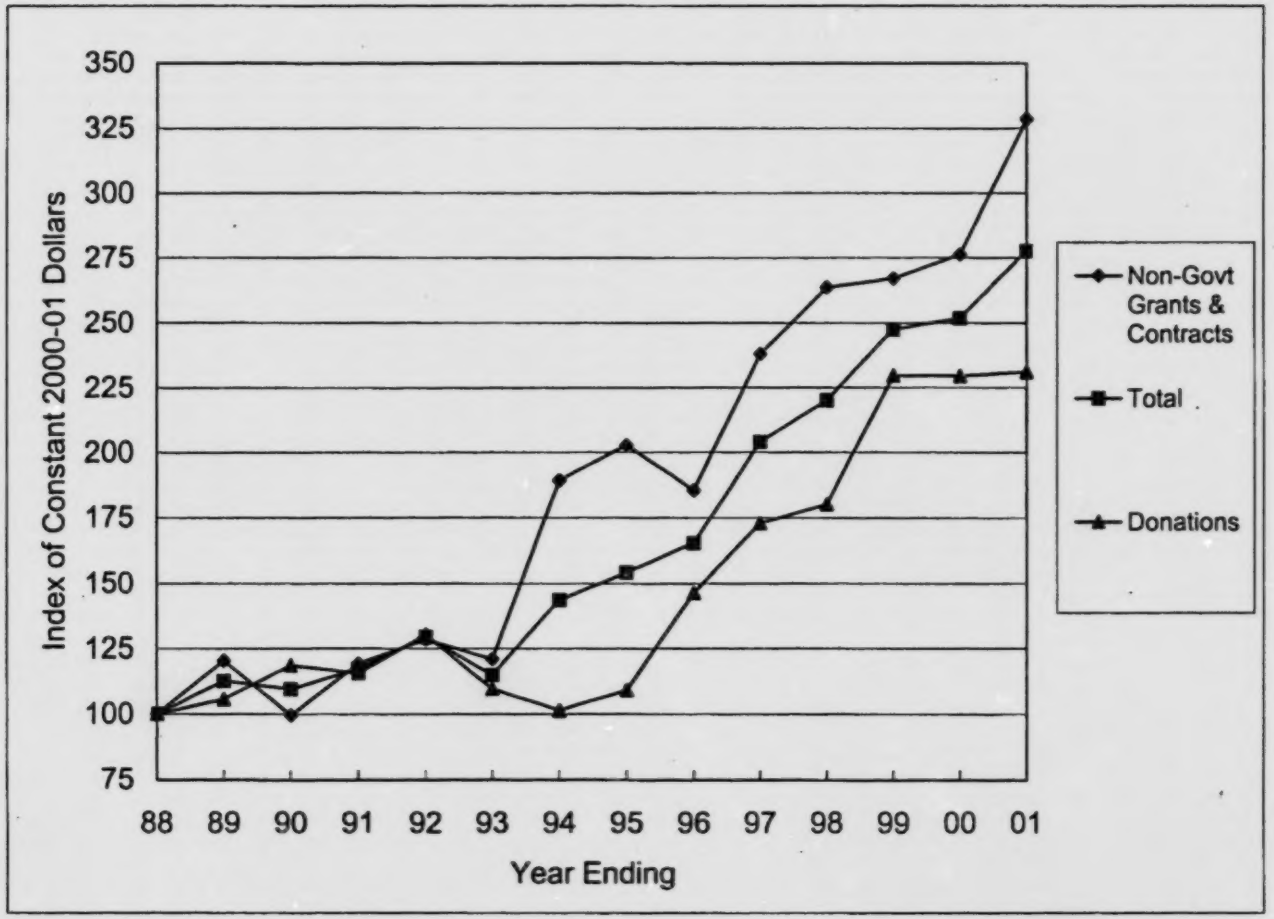
| | Actual $000s | | | | | | | Constant 2000-01 $000s | | | Index of Constant 2000-01 Dollars | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Expendable Donations | Non-Expend Donations | Donations | Expendable Non-Govt Grants & Contracts | Non-Expend Non-Govt Grants & Contracts | Non-Govt Grants & Contracts | Total | Donations | Non-Govt Grants & Contracts | Total | Donations | Non-Govt Grants & Contracts | Total |
| 1987-88 | $94,247 | $19,826 | $114,073 | $105,214 | $0 | $105,214 | $219,287 | $158,266 | $145,975 | $304,241 | 100.0 | 100.0 | 100.0 |
| 1988-89 | $108,724 | $16,783 | $125,507 | $131,324 | $680 | $132,004 | $257,511 | $167,245 | $175,903 | $343,148 | 105.7 | 120.5 | 112.8 |
| 1989-90 | $125,595 | $22,946 | $148,541 | $114,281 | $524 | $114,805 | $263,346 | $187,890 | $145,217 | $333,107 | 118.7 | 99.5 | 109.5 |
| 1990-91 | $132,927 | $19,192 | $152,119 | $143,534 | $992 | $144,526 | $296,645 | $183,118 | $173,978 | $357,096 | 115.7 | 119.2 | 117.4 |
| 1991-92 | $144,803 | $33,212 | $178,015 | $161,932 | $0 | $161,932 | $339,947 | $206,066 | $187,449 | $393,514 | 130.2 | 128.4 | 129.3 |
| 1992-93 | $131,050 | $21,410 | $152,460 | $155,025 | $25 | $155,050 | $307,510 | $173,505 | $176,452 | $349,957 | 109.6 | 120.9 | 115.0 |
| 1993-94 | $124,165 | $18,547 | $142,712 | $246,051 | $6 | $246,057 | $388,769 | $160,341 | $276,452 | $436,793 | 101.3 | 189.4 | 143.6 |
| 1994-95 | $129,143 | $25,601 | $154,744 | $271,072 | $7 | $264,880 | $419,624 | $172,843 | $295,860 | $468,703 | 109.2 | 202.7 | 154.1 |
| 1995-96 | $154,909 | $56,793 | $211,702 | $252,169 | $5 | $247,495 | $459,197 | $231,720 | $270,897 | $502,617 | 146.4 | 185.6 | 165.2 |
| 1996-97 | $120,830 | $133,639 | $254,469 | $322,055 | $890 | $322,945 | $577,414 | $273,566 | $347,181 | $620,747 | 172.9 | 237.8 | 204.0 |
| 1997-98 | $141,710 | $126,892 | $268,602 | $360,746 | $1,470 | $362,216 | $630,818 | $285,281 | $384,708 | $669,988 | 180.3 | 263.5 | 220.2 |
| 1998-99 | $210,305 | $135,341 | $345,646 | $372,200 | $6,121 | $370,700 | $716,346 | $363,404 | $389,745 | $753,149 | 229.6 | 267.0 | 247.6 |
| 1999-00 | $234,621 | $118,220 | $352,841 | $397,264 | $1,476 | $392,022 | $744,863 | $362,976 | $403,283 | $766,259 | 229.3 | 276.3 | 251.9 |
| 2000-01 | $241,671 | $123,785 | $365,456 | $485,188 | $158 | $479,392 | $844,848 | $365,456 | $479,392 | $844,848 | 230.9 | 328.4 | 277.7 |

Notes: Total expendable income + non-expendable trust and endowment income.
Includes affiliated and federated institutions.
The Non-Govt Grants and Contracts column total is less than the sum of its components in 94-95, 95-96, 98-99 and 99-00 because it has been reduced to remove double counting of affiliates.

Source: COFO-UO, Financial Report of Ontario Universities.

**FIGURE 1.7**

**INCOME FROM DONATIONS AND NON-GOVERNMENT GRANTS AND CONTRACTS, ONTARIO UNIVERSITIES, 1987-88 TO 2000-01**



# Section 2

# Grants and Revenue: Jurisdictional Comparisons

**TABLE 2.1**

**PERCENT OF UNIVERSITY OPERATING INCOME**
**BY SOURCE OF INCOME**
**PROVINCIAL COMPARISON**
**1987-88 TO 1999-00**

| | Nfld | PEI | NS | NB | Que | Man | Sask | Alta | BC | 9 Provs | Ontario | Canada |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Provincial Government Grants | | | | | | | | | | | | |
| 1987-88 | 83.8% | 84.6% | 75.7% | 76.3% | 89.3% | 82.3% | 77.8% | 84.2% | 77.7% | 83.9% | 76.7% | 81.1% |
| 1988-89 | 84.3% | 84.3% | 74.4% | 76.9% | 88.9% | 80.7% | 75.7% | 84.1% | 77.2% | 83.3% | 76.2% | 80.5% |
| 1989-90 | 83.9% | 84.4% | 73.3% | 76.2% | 88.3% | 79.7% | 75.4% | 82.4% | 76.2% | 82.5% | 75.3% | 79.7% |
| 1990-91 | 83.6% | 83.8% | 72.9% | 75.8% | 85.6% | 78.5% | 73.8% | 81.4% | 77.1% | 81.1% | 74.7% | 78.6% |
| 1991-92 | 82.7% | 80.8% | 70.2% | 74.0% | 82.2% | 75.7% | 72.8% | 80.5% | 76.3% | 78.9% | 74.1% | 77.1% |
| 1992-93 | 82.0% | 80.0% | 68.6% | 71.6% | 80.8% | 74.5% | 70.8% | 78.2% | 75.9% | 77.5% | 72.5% | 75.6% |
| 1993-94 | 79.8% | 79.0% | 66.8% | 70.8% | 79.4% | 73.4% | 68.8% | 76.2% | 74.3% | 76.0% | 69.8% | 73.6% |
| 1994-95 | 78.9% | 78.2% | 63.4% | 70.4% | 79.3% | 72.1% | 66.8% | 72.9% | 73.3% | 74.8% | 67.6% | 72.1% |
| 1995-96 | 77.3% | 77.3% | 61.3% | 69.8% | 78.0% | 72.3% | 64.9% | 69.2% | 72.0% | 73.1% | 65.7% | 70.2% |
| 1996-97 | 72.9% | 75.5% | 57.3% | 68.5% | 76.6% | 72.8% | 64.3% | 66.9% | 70.6% | 71.3% | 59.4% | 66.8% |
| 1997-98 | 69.3% | 71.1% | 55.0% | 66.9% | 74.3% | 71.3% | 63.6% | 63.4% | 68.5% | 68.8% | 57.3% | 64.5% |
| 1998-99 | 67.1% | 68.3% | 53.9% | 64.9% | 75.1% | 70.9% | 63.4% | 62.2% | 69.3% | 68.7% | 54.8% | 63.4% |
| 1999-00 | 68.6% | 66.9% | 52.5% | 63.9% | 74.5% | 69.0% | 66.4% | 62.3% | 69.6% | 68.4% | 51.6% | 61.7% |
| 99-00 rank | (4) | (5) | (9) | (7) | (1) | (3) | (6) | (8) | (2) | | (10) | |
| Fees | | | | | | | | | | | | |
| 1987-88 | 13.8% | 14.6% | 21.8% | 20.4% | 8.7% | 14.9% | 16.4% | 14.5% | 19.5% | 13.7% | 20.3% | 16.3% |
| 1988-89 | 13.1% | 14.4% | 21.8% | 21.1% | 8.8% | 16.6% | 16.8% | 14.5% | 20.1% | 14.0% | 20.7% | 16.6% |
| 1989-90 | 13.1% | 13.8% | 22.6% | 21.3% | 8.8% | 17.4% | 17.2% | 14.6% | 20.4% | 14.1% | 21.2% | 16.9% |
| 1990-91 | 13.6% | 14.3% | 23.1% | 21.8% | 11.3% | 18.6% | 18.3% | 15.4% | 20.2% | 15.5% | 21.9% | 18.0% |
| 1991-92 | 15.3% | 16.8% | 26.0% | 23.8% | 14.6% | 21.3% | 19.8% | 17.2% | 21.1% | 17.9% | 22.4% | 19.7% |
| 1992-93 | 16.3% | 17.8% | 27.9% | 26.5% | 16.1% | 23.8% | 22.2% | 20.0% | 21.5% | 19.6% | 23.8% | 21.2% |
| 1993-94 | 18.3% | 19.0% | 29.9% | 27.5% | 17.0% | 25.0% | 22.5% | 22.4% | 23.2% | 21.0% | 26.6% | 23.1% |
| 1994-95 | 19.3% | 19.6% | 32.9% | 27.5% | 17.3% | 26.3% | 24.6% | 25.3% | 23.6% | 22.0% | 28.5% | 24.5% |
| 1995-96 | 20.4% | 20.2% | 35.3% | 28.0% | 17.7% | 25.7% | 27.3% | 27.8% | 24.5% | 23.1% | 30.1% | 25.8% |
| 1996-97 | 23.8% | 22.9% | 39.0% | 28.9% | 18.9% | 25.9% | 27.3% | 30.0% | 25.0% | 24.6% | 35.8% | 28.8% |
| 1997-98 | 27.2% | 26.0% | 41.7% | 30.7% | 21.1% | 27.0% | 29.8% | 30.1% | 25.1% | 26.3% | 37.6% | 30.6% |
| 1998-99 | 28.3% | 26.8% | 42.0% | 32.1% | 20.6% | 27.3% | 30.0% | 32.4% | 25.6% | 26.7% | 39.9% | 31.8% |
| 1999-00 | 27.6% | 30.0% | 42.7% | 33.2% | 21.4% | 28.4% | 31.0% | 32.4% | 27.8% | 27.8% | 42.1% | 33.5% |
| 99-00 rank | (9) | (6) | (1) | (3) | (10) | (7) | (5) | (4) | (8) | | (2) | |
| Other Sources | | | | | | | | | | | | |
| 1987-88 | 2.4% | 0.8% | 2.5% | 3.3% | 2.1% | 2.8% | 5.8% | 1.3% | 2.8% | 2.4% | 3.0% | 2.6% |
| 1988-89 | 2.5% | 1.3% | 3.8% | 2.1% | 2.3% | 2.8% | 7.5% | 1.4% | 2.7% | 2.7% | 3.0% | 2.8% |
| 1989-90 | 3.1% | 1.8% | 4.1% | 2.5% | 3.0% | 2.9% | 7.4% | 3.0% | 3.3% | 3.4% | 3.5% | 3.4% |
| 1990-91 | 2.8% | 1.9% | 4.0% | 2.4% | 3.1% | 2.9% | 7.8% | 3.2% | 2.7% | 3.3% | 3.4% | 3.4% |
| 1991-92 | 1.9% | 2.5% | 3.8% | 2.1% | 3.2% | 3.0% | 7.4% | 2.3% | 2.6% | 3.2% | 3.4% | 3.3% |
| 1992-93 | 1.8% | 2.2% | 3.5% | 1.9% | 3.2% | 1.8% | 7.1% | 1.8% | 2.6% | 2.9% | 3.6% | 3.2% |
| 1993-94 | 1.8% | 2.0% | 3.3% | 1.7% | 3.6% | 1.6% | 8.7% | 1.4% | 2.4% | 3.1% | 3.6% | 3.3% |
| 1994-95 | 1.8% | 2.2% | 3.7% | 2.1% | 3.4% | 1.6% | 8.6% | 1.8% | 3.1% | 3.2% | 3.9% | 3.5% |
| 1995-96 | 2.3% | 2.5% | 3.3% | 2.2% | 4.4% | 2.0% | 7.8% | 3.0% | 3.5% | 3.8% | 4.2% | 4.0% |
| 1996-97 | 3.4% | 1.6% | 3.7% | 2.6% | 4.5% | 1.4% | 8.3% | 3.1% | 4.4% | 4.1% | 4.8% | 4.4% |
| 1997-98 | 3.5% | 3.0% | 3.2% | 2.4% | 4.6% | 1.7% | 6.6% | 6.5% | 6.4% | 4.9% | 5.1% | 5.0% |
| 1998-99 | 4.5% | 4.9% | 4.1% | 3.0% | 4.2% | 1.8% | 6.7% | 5.4% | 5.1% | 4.5% | 5.3% | 4.8% |
| 1999-00 | 3.8% | 3.1% | 4.7% | 2.9% | 4.1% | 2.6% | 2.7% | 5.3% | 2.6% | 3.8% | 6.4% | 4.8% |
| 99-00 rank | (5) | (6) | (3) | (7) | (4) | (10) | (8) | (2) | (9) | | (1) | |

Notes: Fees = Credit Courses + Non-Credit Courses + Misc Fees.
Other Sources = Municipal Govt Grants + Other Govt Grants + Bequests/Donations/Non-Govt Grants + Sale of Service/Products + Investment Income + Misc Income + Federal Government Grants (SSHRC + Health/Welfare + NSERC + MRC + Other Grants).
Do to an accounting change, Sales of Service/Products was omitted in 1999-00 to make "income from other sources" more consistent with previous years.
Provincial Government Grants has no sub-categories.
For each province and year, percentages add to 100 across the three categories of income source.

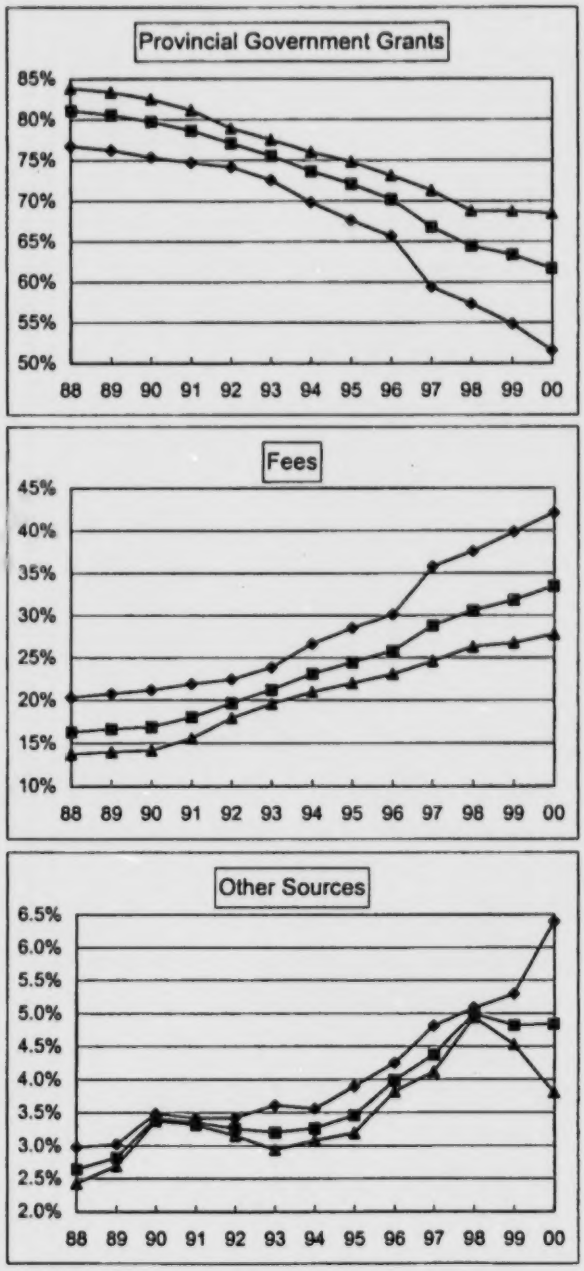
Source: Statistics Canada, Canadian Association of University Business Officers (CAUBO), Financial Statistics of Universities and Colleges.



BEST COPY AVAILABLE

**FIGURE 2.1**

**PERCENT OF UNIVERSITY OPERATING INCOME**
**BY SOURCE OF INCOME**
**PROVINCIAL COMPARISON**
**1987-88 TO 1999-00**




X-Axes Year Ending
Y-Axes Percent of University Operating Income
Legend Diamond - Ontario; Square - Canada; Triangle - 9 Provinces

**TABLE 2.2**

**PERCENT OF TOTAL UNIVERSITY INCOME**
**BY SOURCE OF INCOME**
**PROVINCIAL COMPARISON**
**1987-88 TO 1999-00**

| | Nfld | PEI | NS | NB | Que | Man | Sask | Alta | BC | 9 Provs | Ontario | Canada |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Federal Government Grants | | | | | | | | | | | | |
| 1987-88 | 6.6% | 2.6% | 8.8% | 6.0% | 9.1% | 9.1% | 8.4% | 7.4% | 10.7% | 8.7% | 8.1% | 8.5% |
| 1988-89 | 15.1% | 3.2% | 10.2% | 6.7% | 9.6% | 10.8% | 9.4% | 7.4% | 10.4% | 9.5% | 7.7% | 8.8% |
| 1989-90 | 11.6% | 2.8% | 10.9% | 6.6% | 9.5% | 10.0% | 7.9% | 7.7% | 9.6% | 9.1% | 7.8% | 8.6% |
| 1990-91 | 10.4% | 2.6% | 13.0% | 6.5% | 10.0% | 9.1% | 8.4% | 8.7% | 11.9% | 10.0% | 8.5% | 9.4% |
| 1991-92 | 9.6% | 4.0% | 12.5% | 6.3% | 9.6% | 8.5% | 9.4% | 8.5% | 11.5% | 9.7% | 7.6% | 8.9% |
| 1992-93 | 12.4% | 3.6% | 11.2% | 6.5% | 9.1% | 8.4% | 10.2% | 8.5% | 11.5% | 9.6% | 8.0% | 9.0% |
| 1993-94 | 11.7% | 2.5% | 9.3% | 6.1% | 9.3% | 7.8% | 9.9% | 8.2% | 11.0% | 9.3% | 8.2% | 8.8% |
| 1994-95 | 10.5% | 2.0% | 9.5% | 7.5% | 8.9% | 8.3% | 9.9% | 9.5% | 10.7% | 9.3% | 8.0% | 8.8% |
| 1995-96 | 9.3% | 1.7% | 8.8% | 6.7% | 8.8% | 7.0% | 8.2% | 10.5% | 9.0% | 8.8% | 7.9% | 8.5% |
| 1996-97 | 9.3% | 2.0% | 9.3% | 5.2% | 8.8% | 7.7% | 8.2% | 10.0% | 8.2% | 8.6% | 7.7% | 8.3% |
| 1997-98 | 10.7% | 2.8% | 6.8% | 5.3% | 8.1% | 7.8% | 6.5% | 8.6% | 6.9% | 7.6% | 7.1% | 7.4% |
| 1998-99 | 10.9% | 4.3% | 6.4% | 5.0% | 9.6% | 7.8% | 7.8% | 8.6% | 8.2% | 8.5% | 7.7% | 8.2% |
| 1999-00 | 10.4% | 2.8% | 7.9% | 6.1% | 10.7% | 8.0% | 9.8% | 9.4% | 8.1% | 9.3% | 7.5% | 8.6% |
| 99-00 Rank | (2) | (10) | (7) | (9) | (1) | (6) | (3) | (4) | (5) | | (8) | |
| Provincial Government Grants | | | | | | | | | | | | |
| 1987-88 | 72.3% | 74.4% | 53.0% | 60.4% | 71.1% | 63.3% | 64.5% | 65.0% | 55.3% | 65.1% | 56.7% | 61.9% |
| 1988-89 | 65.3% | 71.3% | 52.5% | 59.0% | 69.8% | 59.7% | 62.2% | 64.8% | 57.1% | 64.0% | 56.3% | 60.9% |
| 1989-90 | 67.4% | 63.7% | 51.4% | 56.4% | 67.8% | 59.6% | 65.9% | 64.5% | 55.8% | 63.0% | 55.7% | 60.2% |
| 1990-91 | 67.8% | 70.9% | 49.8% | 57.0% | 67.2% | 59.3% | 63.0% | 61.7% | 55.0% | 62.0% | 53.7% | 58.8% |
| 1991-92 | 66.4% | 69.8% | 48.4% | 56.0% | 63.0% | 58.1% | 56.8% | 61.8% | 55.4% | 59.7% | 55.1% | 57.9% |
| 1992-93 | 64.9% | 68.2% | 48.0% | 54.7% | 62.2% | 57.9% | 54.8% | 59.6% | 53.6% | 58.6% | 54.0% | 56.8% |
| 1993-94 | 60.7% | 70.1% | 47.2% | 54.9% | 62.4% | 56.4% | 53.4% | 56.0% | 52.6% | 57.6% | 50.1% | 54.7% |
| 1994-95 | 62.0% | 68.3% | 44.5% | 52.4% | 63.9% | 54.3% | 52.4% | 52.6% | 51.2% | 57.0% | 48.7% | 53.8% |
| 1995-96 | 61.5% | 65.0% | 43.2% | 52.9% | 63.1% | 53.2% | 51.1% | 48.4% | 51.0% | 55.6% | 46.9% | 52.3% |
| 1996-97 | 55.3% | 64.7% | 39.1% | 50.6% | 61.8% | 56.2% | 49.1% | 47.4% | 48.8% | 53.8% | 42.0% | 49.4% |
| 1997-98 | 52.6% | 59.2% | 39.0% | 49.7% | 59.0% | 53.3% | 48.6% | 46.8% | 49.1% | 52.1% | 40.0% | 47.5% |
| 1998-99 | 52.2% | 58.2% | 38.5% | 48.0% | 57.1% | 54.1% | 48.7% | 47.2% | 47.6% | 51.1% | 38.8% | 46.4% |
| 1999-00 | 50.2% | 51.9% | 32.5% | 44.6% | 52.2% | 50.7% | 46.2% | 44.0% | 44.1% | 47.0% | 39.6% | 44.0% |
| 99-00 Rank | (4) | (2) | (10) | (6) | (1) | (3) | (5) | (8) | (7) | | (9) | |

Fees

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1987-88 | 10.4% | 10.2% | 14.9% | 14.5% | 6.0% | 10.3% | 10.8% | 8.7% | 12.6% | 9.2% | 13.8% | 11.0% |
| 1988-89 | 9.7% | 12.1% | 14.8% | 14.6% | 6.1% | 11.1% | 11.0% | 8.7% | 12.7% | 9.3% | 13.3% | 10.9% |
| 1989-90 | 10.3% | 10.3% | 15.4% | 15.0% | 6.0% | 11.8% | 10.2% | 9.0% | 12.9% | 9.4% | 14.1% | 11.2% |
| 1990-91 | 10.8% | 12.0% | 15.1% | 15.7% | 7.8% | 12.3% | 11.1% | 9.7% | 12.4% | 10.3% | 14.6% | 12.0% |
| 1991-92 | 11.9% | 14.4% | 17.0% | 16.9% | 9.9% | 14.3% | 14.0% | 11.2% | 12.7% | 12.0% | 14.8% | 13.1% |
| 1992-93 | 12.2% | 15.1% | 18.5% | 18.7% | 10.9% | 16.3% | 15.6% | 13.0% | 13.5% | 13.1% | 16.0% | 14.2% |
| 1993-94 | 13.7% | 16.4% | 20.4% | 19.4% | 11.6% | 17.5% | 15.6% | 14.4% | 14.5% | 14.1% | 17.2% | 15.3% |
| 1994-95 | 14.8% | 16.7% | 22.4% | 19.3% | 11.6% | 18.1% | 16.4% | 16.2% | 14.0% | 14.5% | 18.4% | 16.0% |
| 1995-96 | 15.4% | 15.7% | 24.2% | 18.9% | 11.8% | 17.2% | 16.4% | 17.4% | 14.9% | 15.1% | 19.7% | 16.8% |
| 1996-97 | 17.8% | 19.1% | 25.5% | 20.6% | 12.4% | 17.9% | 16.4% | 18.8% | 15.2% | 15.9% | 23.1% | 18.6% |
| 1997-98 | 20.4% | 21.1% | 28.2% | 21.6% | 13.6% | 18.3% | 16.9% | 18.5% | 16.1% | 16.9% | 23.7% | 19.5% |
| 1998-99 | 21.6% | 21.9% | 28.5% | 22.5% | 13.1% | 18.2% | 16.6% | 19.6% | 16.7% | 17.1% | 25.4% | 20.3% |
| 1999-00 | 19.7% | 22.2% | 24.4% | 21.5% | 11.6% | 17.6% | 15.5% | 16.8% | 16.5% | 15.6% | 22.9% | 18.5% |
| 99-00 Rank | (5) | (3) | (1) | (4) | (10) | (6) | (9) | (7) | (8) | | (2) | |

Other Sources

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1987-88 | 10.8% | 12.8% | 23.3% | 19.1% | 13.8% | 17.3% | 16.3% | 18.9% | 21.4% | 17.0% | 21.4% | 18.7% |
| 1988-89 | 9.9% | 13.4% | 22.5% | 19.7% | 14.5% | 18.4% | 17.3% | 19.1% | 19.8% | 17.2% | 22.7% | 19.4% |
| 1989-90 | 10.7% | 23.2% | 22.4% | 21.9% | 16.7% | 18.7% | 16.0% | 18.8% | 21.8% | 18.4% | 22.4% | 19.9% |
| 1990-91 | 11.0% | 14.5% | 22.0% | 20.8% | 15.0% | 19.2% | 17.6% | 19.9% | 20.7% | 17.7% | 23.2% | 19.8% |
| 1991-92 | 12.1% | 11.7% | 22.2% | 20.8% | 17.4% | 19.1% | 19.7% | 18.6% | 20.4% | 18.6% | 22.5% | 20.1% |
| 1992-93 | 10.5% | 13.1% | 22.3% | 20.1% | 17.8% | 17.4% | 19.4% | 18.9% | 21.4% | 18.7% | 22.0% | 20.0% |
| 1993-94 | 13.8% | 11.0% | 23.1% | 19.6% | 16.8% | 18.3% | 21.1% | 21.4% | 21.9% | 19.0% | 24.6% | 21.2% |
| 1994-95 | 12.7% | 13.0% | 23.7% | 20.9% | 15.6% | 19.3% | 21.2% | 21.6% | 24.0% | 19.2% | 24.8% | 21.3% |
| 1995-96 | 13.7% | 17.6% | 23.8% | 21.5% | 16.3% | 22.5% | 24.4% | 23.7% | 25.1% | 20.5% | 25.6% | 22.4% |
| 1996-97 | 17.6% | 14.2% | 26.2% | 23.6% | 17.1% | 18.2% | 26.3% | 23.7% | 27.9% | 21.7% | 27.2% | 23.7% |
| 1997-98 | 16.2% | 16.8% | 26.0% | 23.5% | 19.3% | 20.7% | 28.0% | 26.2% | 27.9% | 23.3% | 29.2% | 25.6% |
| 1998-99 | 15.3% | 15.6% | 26.6% | 24.5% | 20.2% | 19.8% | 26.8% | 24.7% | 27.4% | 23.2% | 28.1% | 25.1% |
| 1999-00 | 19.7% | 23.1% | 35.1% | 27.7% | 25.5% | 23.7% | 28.5% | 29.9% | 31.3% | 28.1% | 30.0% | 28.9% |
| 99-00 Rank | (10) | (9) | (1) | (6) | (7) | (8) | (5) | (4) | (2) | | (3) | |

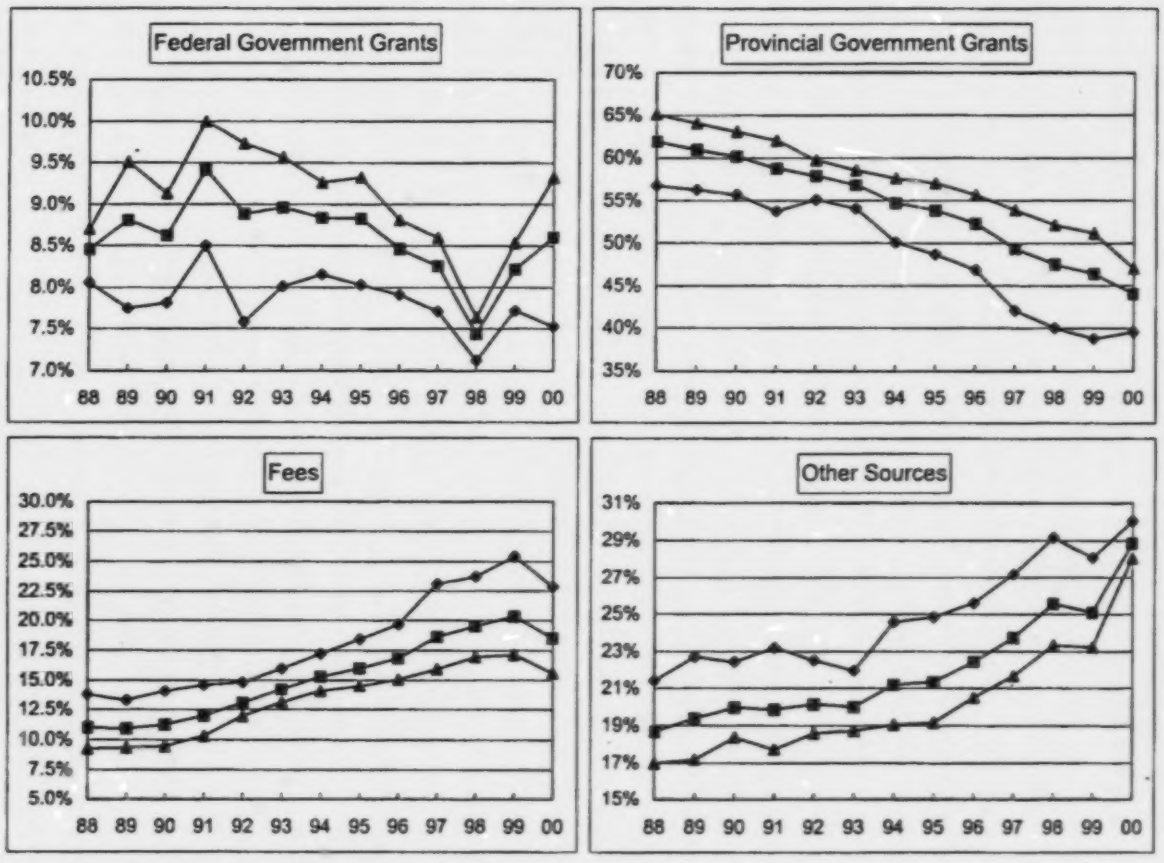
Notes: Total Income = General Operating + Special Purpose/Trust + Sponsored Research + Ancillary Enterprises + Plant.
Federal Government Grants = SSHRC + Health/Welfare + NSERC + MRC + Other Grants.
Fees = Credit Courses + Non-Credit Courses + Misc Fees.
Other Sources = Municipal Govt Grants + Other Govt Grants + Bequests/Donations/Non-Govt Grants.
Provincial Government Grants has no sub-categories.
For each province and year, percentages add to 100 across the four categories of income source.

Source: Statistics Canada, Canadian Association of University Business Officers (CAUBO), Financial Statistics of Universities and Colleges.

BEST COPY AVAILABLE

**FIGURE 2.2**

**PERCENT OF TOTAL UNIVERSITY INCOME**
**BY SOURCE OF INCOME**
**PROVINCIAL COMPARISON**
**1987-88 TO 1999-00**




X-Axes Year Ending
Y-Axes Percent of Total University Income
Legend Diamond - Ontario; Square - Canada; Triangle - 9 Provinces

**TABLE 2.3**

**PROVINCIAL UNIVERSITY OPERATING GRANTS**
**PER FTE ENROLMENT**
**PROVINCIAL COMPARISON**
**1988-89 TO 2001-02**

| | | 1988-89 | 1989-90 | 1990-91 | 1991-92 | 1992-93 | 1993-94 | 1994-95 | 1995-96 | 1996-97 | 1997-98 | 1998-99 | 1999-00 | 2000-01 | 2001-02 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nfld | Actual $ | $8,233 | $8,668 | $8,642 | $8,390 | $8,906 | $8,719 | $8,879 | $8,400 | $8,201 | $8,018 | $7,815 | $8,418 | $8,689 | $9,096 |
| | Rank | (1) | (1) | (1) | (2) | (1) | (1) | (1) | (1) | (2) | (2) | (3) | (2) | (2) | (1) |
| PEI | Actual $ | $7,771 | $8,083 | $8,219 | $8,008 | $7,907 | $7,919 | $7,927 | $8,316 | $8,960 | $7,885 | $7,933 | $7,592 | $7,726 | $8,048 |
| | Rank | (2) | (2) | (3) | (3) | (5) | (4) | (4) | (3) | (1) | (3) | (2) | (5) | (5) | (4) |
| NS | Actual $ | $6,276 | $6,305 | $6,494 | $6,224 | $6,132 | $6,039 | $5,818 | $5,787 | $5,375 | $5,326 | $5,606 | $5,910 | $6,082 | $5,992 |
| | Rank | (9) | (10) | (10) | (10) | (10) | (10) | (10) | (10) | (10) | (10) | (10) | (9) | (9) | (9) |
| NB | Actual $ | $6,664 | $6,908 | $7,162 | $6,861 | $6,534 | $6,593 | $6,630 | $6,733 | $6,995 | $7,127 | $7,042 | $7,366 | $7,367 | $7,244 |
| | Rank | (7) | (8) | (8) | (9) | (9) | (9) | (8) | (7) | (6) | (6) | (7) | (7) | (7) | (8) |
| Que | Actual $ | $7,340 | $7,827 | $8,270 | $8,443 | $8,427 | $8,390 | $8,593 | $8,388 | $7,941 | $7,504 | $7,803 | $7,856 | $8,322 | $8,640 |
| | Rank | (4) | (3) | (2) | (1) | (2) | (2) | (2) | (2) | (3) | (5) | (4) | (3) | (3) | (3) |
| Man | Actual $ | $7,150 | $7,483 | $7,666 | $7,579 | $7,681 | $7,732 | $7,051 | $7,698 | $7,938 | $8,188 | $8,537 | $8,983 | $8,993 | $8,799 |
| | Rank | (5) | (5) | (4) | (6) | (6) | (6) | (6) | (5) | (4) | (1) | (1) | (1) | (1) | (2) |
| Sask | Actual $ | $7,011 | $7,215 | $7,194 | $7,528 | $7,225 | $7,110 | $6,849 | $6,748 | $6,946 | $6,755 | $7,135 | $7,477 | $7,704 | $7,947 |
| | Rank | (6) | (6) | (7) | (7) | (7) | (7) | (7) | (8) | (7) | (7) | (6) | (6) | (6) | (5) |
| Alta | Actual $ | $7,364 | $7,493 | $7,605 | $7,859 | $7,942 | $7,762 | $7,100 | $6,698 | $6,527 | $6,744 | $6,740 | $6,818 | $7,075 | $7,304 |
| | Rank | (3) | (4) | (5) | (4) | (4) | (5) | (5) | (8) | (8) | (8) | (8) | (8) | (8) | (7) |
| BC | Actual $ | $6,439 | $7,076 | $7,524 | $7,844 | $8,022 | $8,003 | $8,258 | $8,103 | $7,729 | $7,658 | $7,573 | $7,695 | $7,874 | $7,869 |
| | Rank | (8) | (7) | (6) | (5) | (3) | (3) | (3) | (4) | (5) | (4) | (5) | (4) | (4) | (6) |
| 9 Provs | Actual $ | $7,119 | $7,503 | $7,816 | $7,944 | $7,964 | $7,916 | $7,886 | $7,720 | $7,444 | $7,270 | $7,429 | $7,573 | $7,876 | $8,044 |
| Diff from Ont | Actual $ | $848 | $1,029 | $1,045 | $995 | $950 | $1,290 | $1,331 | $1,114 | $1,618 | $1,417 | $1,502 | $1,673 | $1,884 | $2,096 |
| Ont | Actual $ | $6,271 | $6,474 | $6,772 | $6,949 | $7,014 | $6,625 | $6,556 | $6,606 | $5,826 | $5,853 | $5,928 | $5,900 | $5,992 | $5,948 |
| | Rank | (10) | (9) | (9) | (8) | (8) | (8) | (9) | (9) | (9) | (9) | (9) | (10) | (10) | (10) |
| Canada | Actual $ | $6,816 | $7,133 | $7,438 | $7,583 | $7,621 | $7,454 | $7,412 | $7,324 | $6,877 | $6,773 | $6,905 | $6,979 | $7,207 | $7,297 |
| Diff from Ont | Actual $ | $544 | $659 | $667 | $634 | $607 | $829 | $857 | $719 | $1,051 | $921 | $977 | $1,079 | $1,215 | $1,348 |

Notes:
Corresponding Figure 2.3 displays constant 2001-02 dollars, not actual dollars.

Sources:
Operating Grants:
To 1989-90: Interprovincial Comparisons of University Financing, Tripartite (MET, COU, OCUA) Committee on Interprovincial Comparisons, April 1992. Last Tripartite report.
1990-91 onwards: The year-to-year percentage changes in provincial operating grants contained in the Financial Reports of the Canadian Association of University Business Officers were used to estimate provincial operating grants for the purposes of this interprovincial comparison. See Appendix B for a more complete description and example of the methodology. The 2000-01 and 2001-02 estimated percentage changes were obtained from the Public Accounts and Expenditure Estimates of Ontario, and, for other provinces, the Association of Universities and Colleges of Canada.
Enrolment:
To 1989-90: Interprovincial Comparisons of University Financing, Tripartite (MET, COU, OCUA) Committee on Interprovincial Comparisons, April 1992. Last Tripartite report.
1990-91 onwards: The year-to-year percentage changes in FTE enrolment provided by Statistics Canada were used to estimate FTE enrolment for the purposes of this interprovincial comparison. See Appendix B for a more complete description and example of the methodology. 1999-00 to 2001-02 data were obtained from AUCC.

**Amount to attain level of other 9 provinces in 2001-02:**

Using numbers based on the Tripartite Committee:

| | FTE | Ont. Grant per FTE | 9 Prov Grant per FTE | Provincial Operating Grant Income | Provincial Operating Grant Income at 9 Province Funding | Amount Needed for Ontario to Catch Up |
|---|---|---|---|---|---|---|
| Ontario | 285,855 | $5,948 | | $1,700,342,941 | $2,299,361,247 | $599,018,305 |
| 9 Prov | 515,742 | | $8,044 | | | |

BEST COPY AVAILABLE

**FIGURE 2.3**

**PROVINCIAL UNIVERSITY OPERATING GRANTS**
**PER FTE ENROLMENT**
**PROVINCIAL COMPARISON**
**1988-89 TO 2001-02**

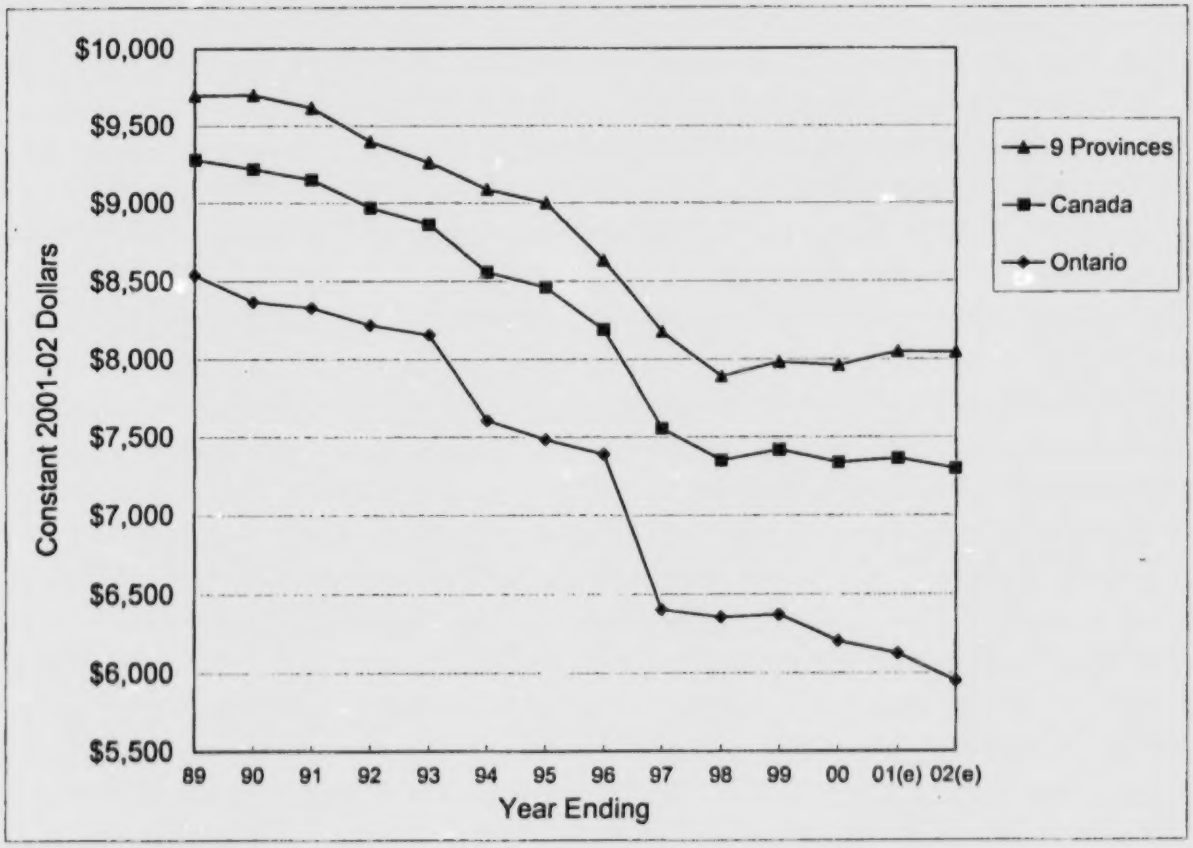


**TABLE 2.4**

**PROVINCIAL UNIVERSITY OPERATING GRANTS**
**PER CAPITA**
**PROVINCIAL COMPARISON**
**1988-89 TO 2001-02**

| | | 1988-89 | 1989-90 | 1990-91 | 1991-92 | 1992-93 | 1993-94 | 1994-95 | 1995-96 | 1996-97 | 1997-98 | 1998-99 | 1999-00 | *2000-01* | *2001-02* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nfld | Actual $ | $185.53 | $200.03 | $213.94 | $213.77 | $233.27 | $222.02 | $228.46 | $218.17 | $212.09 | $207.83 | $205.39 | $221.78 | *$232.88* | *$245.62* |
| | Rank | (3) | (3) | (2) | (3) | (2) | (2) | (2) | (2) | (2) | (1) | (2) | (1) | *(2)* | *(2)* |
| PEI | Actual $ | $170.99 | $185.54 | $203.89 | $206.11 | $209.98 | $202.92 | $187.22 | $184.02 | $186.47 | $173.74 | $174.57 | $173.96 | *$186.75* | *$194.79* |
| | Rank | (5) | (5) | (4) | (4) | (4) | (4) | (5) | (6) | (6) | (6) | (6) | (8) | *(7)* | *(8)* |
| NS | Actual $ | $191.54 | $201.55 | $212.32 | $214.56 | $215.53 | $214.16 | $204.06 | $200.68 | $186.92 | $185.51 | $195.00 | $199.18 | *$202.94* | *$207.17* |
| | Rank | (2) | (2) | (3) | (2) | (3) | (3) | (3) | (4) | (5) | (5) | (5) | (5) | *(5)* | *(5)* |
| NB | Actual $ | $167.59 | $179.24 | $192.30 | $196.09 | $195.62 | $200.34 | $200.73 | $202.62 | $203.47 | $201.18 | $199.52 | $200.75 | *$204.46* | *$208.32* |
| | Rank | (7) | (7) | (6) | (6) | (6) | (5) | (4) | (3) | (3) | (3) | (3) | (4) | *(4)* | *(4)* |
| Que | Actual $ | $207.23 | $222.99 | $237.19 | $248.00 | $254.56 | $253.67 | $252.90 | $240.16 | $223.05 | $207.54 | $218.05 | $217.37 | *$234.62* | *$249.40* |
| | Rank | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (2) | (1) | (2) | *(1)* | *(1)* |
| Man | Actual $ | $169.88 | $180.10 | $186.78 | $192.07 | $194.95 | $192.62 | $185.50 | $188.25 | $193.45 | $190.62 | $197.44 | $206.59 | *$213.41* | *$220.49* |
| | Rank | (6) | (6) | (7) | (7) | (7) | (7) | (6) | (5) | (4) | (4) | (4) | (3) | *(3)* | *(3)* |
| Sask | Actual $ | $149.00 | $158.92 | $166.27 | $180.04 | $176.90 | $172.12 | $165.23 | $164.74 | $167.92 | $164.01 | $171.77 | $181.32 | *$187.95* | *$196.61* |
| | Rank | (9) | (8) | (9) | (8) | (9) | (8) | (9) | (9) | (7) | (8) | (7) | (6) | *(6)* | *(7)* |
| Alta | Actual $ | $184.49 | $192.10 | $195.08 | $198.91 | $204.34 | $199.89 | $180.48 | $169.78 | $166.09 | $168.81 | $167.84 | $176.67 | *$184.94* | *$197.05* |
| | Rank | (4) | (4) | (5) | (5) | (5) | (6) | (7) | (7) | (8) | (7) | (8) | (7) | *(8)* | *(6)* |
| BC | Actual $ | $124.73 | $141.67 | $152.76 | $165.24 | $167.45 | $164.53 | $169.98 | $168.19 | $162.76 | $161.41 | $161.02 | $164.17 | *$171.58* | *$179.76* |
| | Rank | (10) | (10) | (10) | (10) | (10) | (10) | (8) | (8) | (9) | (9) | (9) | (9) | *(9)* | *(9)* |
| 9 Provs | Actual $ | $179.12 | $192.59 | $203.34 | $211.96 | $216.33 | $213.83 | $210.24 | $202.70 | $193.72 | $186.83 | $191.76 | $195.27 | *$206.29* | *$217.29* |
| Diff from Ont | Actual $ | $28.60 | $35.03 | $35.65 | $34.31 | $36.08 | $46.73 | $48.52 | $43.63 | $57.56 | $52.47 | $56.48 | $58.23 | *$65.43* | *$73.05* |
| Ont | Actual $ | $150.52 | $157.56 | $167.69 | $177.65 | $180.26 | $167.09 | $161.73 | $159.07 | $136.16 | $134.36 | $135.29 | $137.04 | *$140.86* | *$144.25* |
| | Rank | (8) | (9) | (8) | (9) | (8) | (9) | (10) | (10) | (10) | (10) | (10) | (10) | *(10)* | *(10)* |
| Canada | Actual $ | $168.58 | $179.56 | $190.03 | $199.15 | $202.85 | $196.36 | $192.09 | $186.35 | $172.12 | $167.07 | $170.42 | $173.17 | *$181.41* | *$189.41* |
| Diff from Ont | Actual $ | $18.05 | $22.00 | $22.34 | $21.50 | $22.59 | $29.27 | $30.36 | $27.28 | $35.95 | $32.71 | $35.13 | $36.14 | *$40.55* | *$45.16* |

**Notes:**
Corresponding Figure 2.4 displays constant 2001-02 dollars, not actual dollars.

**Sources:**
Operating Grants:
To 1989-90: Interprovincial Comparisons of University Financing, Tripartite (MET, COU, OCUA) Committee on Interprovincial Comparisons, April 1992. Last Tripartite report.
1990-91 onwards: The year-to-year percentage changes in provincial operating grants contained in the Financial Reports of the Canadian Association of University Business Officers were used to estimate provincial operating grants for the purposes of this interprovincial comparison. See Appendix B for a more complete description and example of the methodology. The 2000-01 and 2001-02 estimated percentage changes were obtained from the Public Accounts and Expenditure Estimates of Ontario, and, for other provinces, the Association of Universities and Colleges of Canada.
Population:
Statistics Canada.
*Per capita* means per unit of population

**Amount to attain level of other 9 provinces (2001-02):**

| | Pop. (000) | Ont. Grant per capita | 9 Prov Grant per capita | Provincial Operating Grant Income | Provincial Operating Grant Income at 9 Province Funding | Amount needed for Ontario to catch up |
|---|---|---|---|---|---|---|
| Ontario | 11,788 | $144.25 | | $1,700,343 | $2,561,372 | $861,029 |
| 9 Prov | 18,986 | | $217.29 | | | |

BEST COPY AVAILABLE

FIGURE 2.4

PROVINCIAL UNIVERSITY OPERATING GRANTS
PER CAPITA
PROVINCIAL COMPARISON
1988-89 TO 2001-02

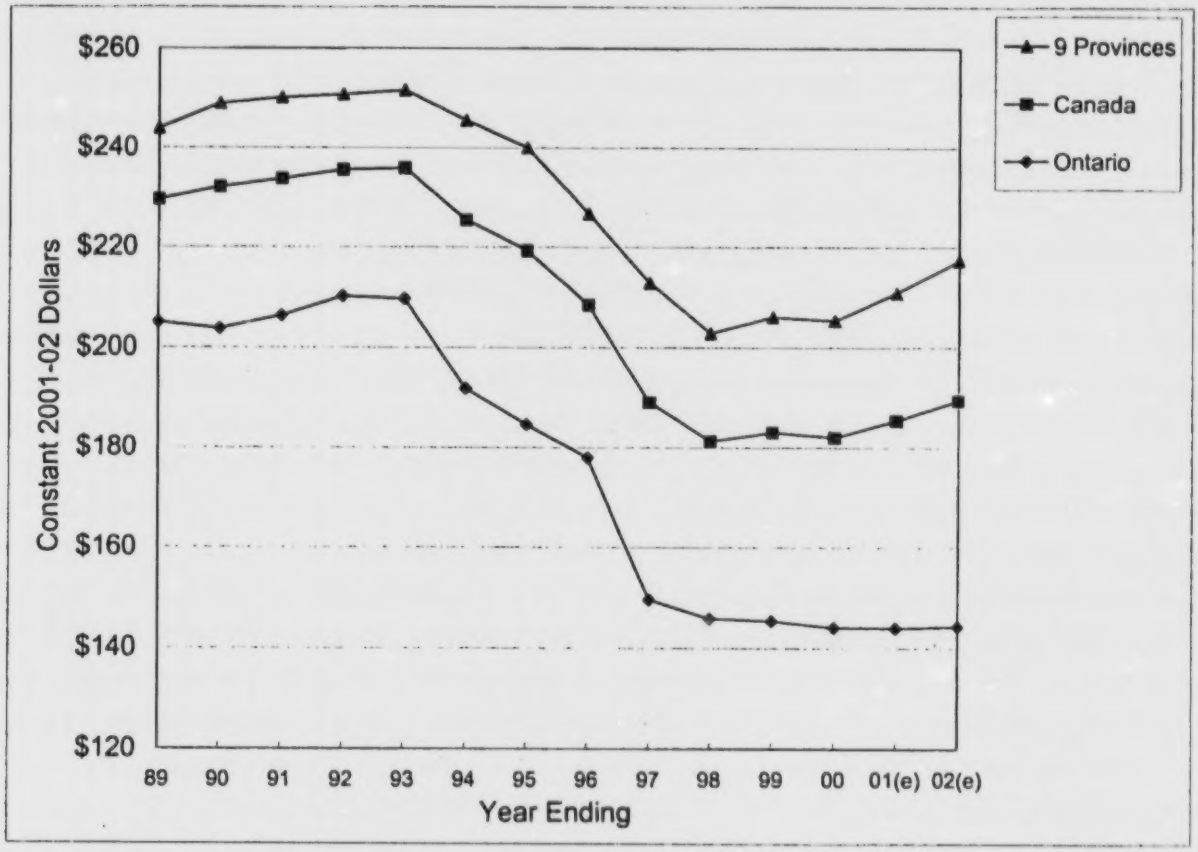


**TABLE 2.5**

**PROVINCIAL UNIVERSITY OPERATING GRANTS**
**PER $1000 OF TOTAL PROVINCIAL PERSONAL INCOME**
**PROVINCIAL COMPARISON**
**1988-89 TO 2000-01**

| | | 1988-89 | 1989-90 | 1990-91 | 1991-92 | 1992-93 | 1993-94 | 1994-95 | 1995-96 | 1996-97 | 1997-98 | 1998-99 | 1999-00 | 2000-01 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nfld | Actual $ | 13.28 | 13.36 | 13.25 | 13.28 | 14.20 | 13.24 | 13.22 | 12.23 | 11.92 | 11.56 | 10.84 | 11.12 | *11.11* |
| | Rank | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) | *(1)* |
| PEI | Actual $ | 11.86 | 12.30 | 12.63 | 11.76 | 11.79 | 11.02 | 10.27 | 9.76 | 9.87 | 9.04 | 8.79 | 8.40 | *8.64* |
| | Rank | (3) | (2) | (2) | (3) | (3) | (4) | (5) | (5) | (4) | (4) | (5) | (6) | *(4)* |
| NS | Actual $ | 12.21 | 12.08 | 11.97 | 11.41 | 11.22 | 11.05 | 10.46 | 10.07 | 9.37 | 8.98 | 8.99 | 8.78 | *8.55* |
| | Rank | (2) | (3) | (3) | (4) | (4) | (3) | (4) | (4) | (5) | (5) | (4) | (4) | *(5)* |
| NB | Actual $ | 11.30 | 11.38 | 11.55 | 11.15 | 10.80 | 10.68 | 10.68 | 10.40 | 10.33 | 10.03 | 9.52 | 9.12 | *8.85* |
| | Rank | (5) | (5) | (5) | (5) | (5) | (5) | (3) | (3) | (2) | (2) | (3) | (3) | *(3)* |
| Que | Actual $ | 11.77 | 11.91 | 11.89 | 12.46 | 12.59 | 12.34 | 12.17 | 11.26 | 10.30 | 9.37 | 9.54 | 9.14 | *9.35* |
| | Rank | (4) | (4) | (4) | (2) | (2) | (2) | (2) | (2) | (3) | (3) | (2) | (2) | *(2)* |
| Man | Actual $ | 10.06 | 10.06 | 9.80 | 9.85 | 9.80 | 9.67 | 9.14 | 8.98 | 8.96 | 8.63 | 8.53 | 8.73 | *8.54* |
| | Rank | (6) | (6) | (6) | (7) | (7) | (6) | (6) | (6) | (6) | (6) | (6) | (5) | *(6)* |
| Sask | Actual $ | 9.72 | 9.56 | 9.34 | 10.05 | 9.96 | 9.41 | 8.96 | 8.40 | 8.09 | 8.11 | 8.13 | 8.30 | *8.24* |
| | Rank | (7) | (7) | (7) | (6) | (6) | (7) | (7) | (7) | (7) | (7) | (7) | (7) | *(7)* |
| Alta | Actual $ | 9.61 | 9.55 | 9.11 | 8.96 | 9.12 | 8.74 | 7.87 | 7.21 | 6.90 | 6.60 | 6.21 | 6.48 | *6.38* |
| | Rank | (8) | (8) | (8) | (8) | (8) | (8) | (8) | (8) | (8) | (9) | (9) | (9) | *(9)* |
| BC | Actual $ | 6.70 | 7.00 | 7.02 | 7.40 | 7.39 | 7.17 | 7.30 | 7.07 | 6.82 | 6.67 | 6.61 | 6.56 | *6.56* |
| | Rank | (10) | (10) | (10) | (10) | (10) | (9) | (9) | (9) | (9) | (8) | (8) | (8) | *(8)* |
| 9 Provs | Actual $ | 10.25 | 10.33 | 10.21 | 10.46 | 10.51 | 10.22 | 9.93 | 9.31 | 8.76 | 8.23 | 8.17 | $8.06 | *$8.08* |
| Diff from Ont | Actual $ | 3.06 | 3.28 | 2.96 | 2.98 | 3.00 | 3.24 | 3.21 | 2.88 | 3.29 | 3.00 | 3.07 | $3.14 | *$3.29* |
| Ont | Actual $ | 7.20 | 7.05 | 7.25 | 7.48 | 7.51 | 6.98 | 6.72 | 6.43 | 5.47 | 5.23 | 5.09 | $4.92 | *$4.79* |
| | Rank | (9) | (9) | (9) | (9) | (9) | (10) | (10) | (10) | (10) | (10) | (10) | (10) | *(10)* |
| Canada | Actual $ | 8.99 | 8.97 | 9.00 | 9.23 | 9.28 | 8.90 | 8.63 | 8.14 | 7.43 | 7.01 | 6.91 | $6.76 | *$6.72* |
| Diff from Ont | Actual $ | 1.80 | 1.92 | 1.75 | 1.75 | 1.77 | 1.93 | 1.91 | 1.71 | 1.96 | 1.78 | 1.82 | $1.85 | *$1.93* |

Sources:

Operating Grants:

To 1989-90: Interprovincial Comparisons of University Financing, Tripartite (MET, COU, OCUA) Committee on Interprovincial Comparisons, April 1992. Last Tripartite report.

1990-91 onwards: The year-to-year percentage changes in provincial operating grants contained in the Financial Reports of the Canadian Association of University Business Officers were used to estimate provincial operating grants for the purposes of this interprovincial comparison. See Appendix B for a more complete description and example of the methodology. The 2000-01 estimated percentage changes were obtained from the Public Accounts of Ontario, and, for other provinces, the Association of Universities and Colleges of Canada.

Personal Income:

Statistics Canada.

**Amount to attain level of other 9 provinces (2000-01):**

| | PPI | Ont. Grant per capita | 9 Prov Grant per capita | Provincial Operating Grant Income (000) | Provincial Operating Grant Income at 9-Province Funding (000) | Amount needed for Ontario to catch up (000) |
|---|---|---|---|---|---|---|
| Ontario | 342,770 | $4.79 | | $1,641,255 | $2,770,129 | $1,128,874 |
| 9 Prov | 484,648 | | $8.08 | | | |

BEST COPY AVAILABLE

FIGURE 2.5

PROVINCIAL UNIVERSITY OPERATING GRANTS
PER $1000 OF TOTAL PROVINCIAL PERSONAL INCOME
PROVINCIAL COMPARISON
1988-89 TO 2000-01

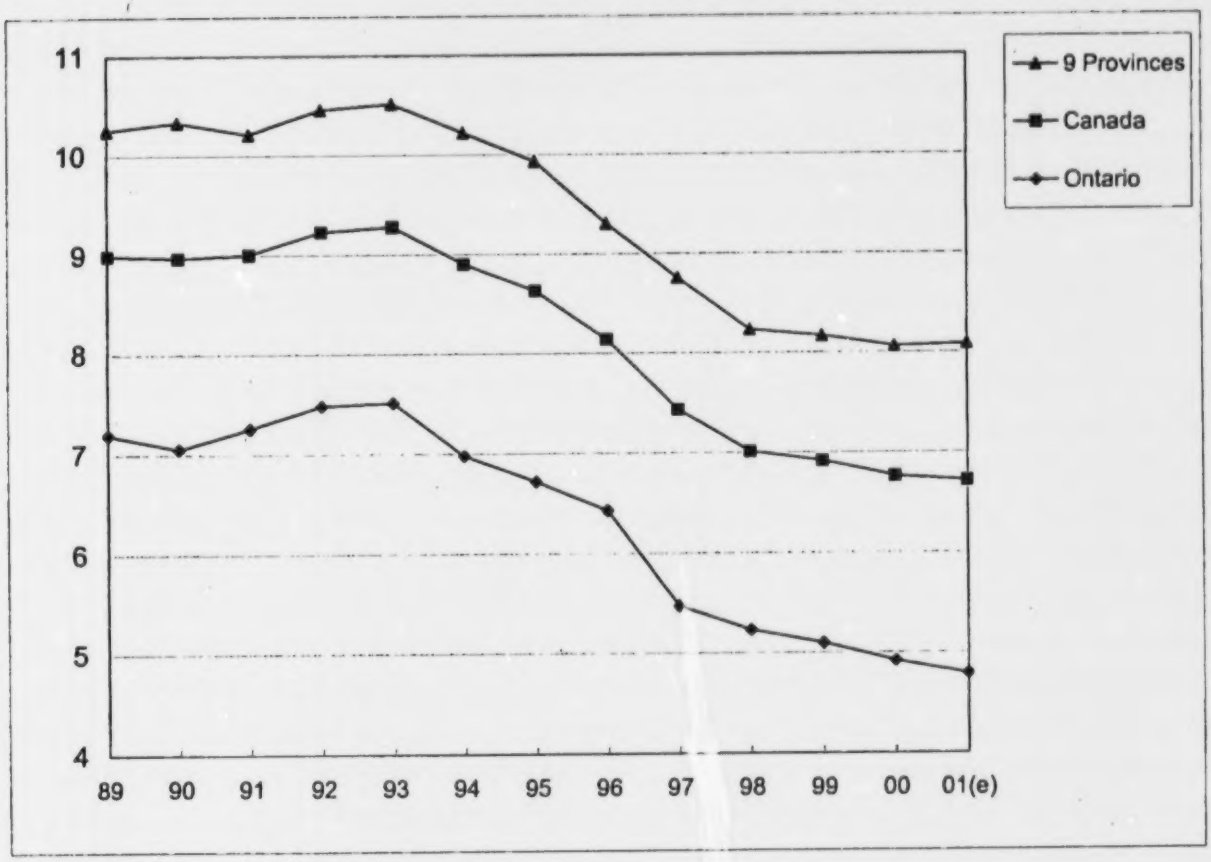


**TABLE 2.6**

**REVENUES AND EXPENDITURES PER FTE ENROLMENT**
**PUBLIC UNIVERSITIES**
**ONTARIO AND SELECTED AMERICAN STATES**
**1999-00**

**Revenues**

| State/ Province | Tuition & Fees | Federal Government Grants & Contracts | State/Prov Government Funding | State/Prov Government Grants & Contracts | Private Gifts, Grants & Contracts | Endow-ment Income | Total |
|---|---|---|---|---|---|---|---|
| Ontario | $5,429 | $1,753 | $6,657 | $813 | $2,339 | $722 | $17,714 |
| All Peers | $6,143 | $4,012 | $9,839 | $879 | $2,061 | $280 | $23,213 |
| Great Lakes | $7,418 | $3,614 | $9,133 | $718 | $2,276 | $257 | $23,416 |
| California | $5,833 | $6,419 | $12,028 | $1,104 | $3,054 | $333 | $28,771 |
| Florida | $3,494 | $2,662 | $11,572 | $1,029 | $2,238 | $0 | $20,994 |
| Michigan | $9,745 | $6,362 | $10,798 | $524 | $3,090 | $448 | $30,968 |
| New Jersey | $5,871 | $211 | $7,542 | $1,203 | $380 | $71 | $15,278 |
| New York | $5,178 | $2,394 | $8,513 | $1,015 | $1,437 | $3 | $18,540 |
| North Carolina | $5,086 | $7,406 | $13,932 | $1,244 | $3,083 | $575 | $31,327 |
| Texas | $4,855 | $965 | $6,938 | $359 | $663 | $98 | $13,879 |

**Expenditures**

| State/ Province | Instruction & Research | Academic Support | Student Services | Institutional Support | Physical Plant | Scholarships & Fellowships | Total |
|---|---|---|---|---|---|---|---|
| Ontario | $11,724 | $1,601 | $465 | $1,136 | $1,260 | $886 | $17,072 |
| All Peers | $13,501 | $2,580 | $1,095 | $1,951 | $1,673 | $1,533 | $22,334 |
| Great Lakes | $13,322 | $2,563 | $1,249 | $1,974 | $1,835 | $1,517 | $22,459 |
| California | $18,490 | $4,236 | $1,768 | $2,453 | $1,657 | $2,006 | $30,609 |
| Florida | $12,787 | $2,416 | $1,028 | $2,151 | $1,313 | $1,263 | $20,958 |
| Michigan | $18,657 | $3,128 | $1,042 | $2,020 | $2,351 | $2,279 | $29,477 |
| New Jersey | $6,429 | $1,126 | $1,384 | $2,838 | $1,690 | $1,323 | $14,790 |
| New York | $9,396 | $1,442 | $1,120 | $2,035 | $2,167 | $826 | $16,986 |
| North Carolina | $19,617 | $2,437 | $665 | $1,850 | $2,470 | $1,436 | $28,475 |
| Texas | $6,792 | $1,457 | $694 | $1,572 | $1,134 | $864 | $12,512 |

**Notes:**
The American states selected are the 8 Great Lakes states plus 4 other states with a large population.
Ontario FTE enrolment is based on eligible-for-funding plus ineligible-for-funding students.
US dollars are converted into Canadian dollars by multiplying by OECD Purchasing Power Parity
PPP for 1999 is 1.17. Source: http://www.oecd.org/std/ppp1.pdf
Note: library acquisitions are not broken out as in Resource Document 1998, but are included in Academic Support.

**Sources:**
USA - Integrated Postsecondary Education Data System, National Center for Education Statistics,
US Department of Education.
Ontario - COFO-UO, Financial Report of Ontario Universities.

**TABLE 2.7**

**PERCENT CHANGE IN PROVINCIAL AND STATE FUNDING FOR OPERATING EXPENSES OF POST-SECONDARY EDUCATION CANADIAN PROVINCES AND AMERICAN STATES 1996-97 TO 2001-02**

| Country | Province\State | 5-Year Change 96-97 to 01-02 % | Rank | 4-Year Change 97-98 to 01-02 % | Rank | 3-Year Change 98-99 to 01-02 % | Rank | 2-Year Change 99-00 to 01-02 % | Rank | 1-Year Change 00-01 to 01-02 % | Rank |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Canada | Ontario | 12.5% | (56) | 12.4% | (55) | 10.1% | (52) | 7.3% | (50) | 3.6% | (34) |
| | Other 9 Provinces | | | | | | | | | | |
| | Newfoundland | 10.8% | (57) | 14.3% | (52) | 17.5% | (25) | 9.7% | (34) | 5.0% | (25) |
| | P.E.I. | 7.2% | (58) | 14.6% | (51) | 13.9% | (42) | 13.6% | (14) | 5.0% | (25) |
| | Nova Scotia | 12.6% | (55) | 13.0% | (54) | 7.7% | (55) | 4.6% | (58) | 2.4% | (45) |
| | New Brunswick | 2.9% | (59) | 3.9% | (59) | 5.0% | (59) | 4.0% | (59) | 2.0% | (47) |
| | Quebec | 13.6% | (54) | 21.5% | (31) | 15.2% | (33) | 15.1% | (7) | 6.6% | (18) |
| | Manitoba | 16.0% | (51) | 17.5% | (46) | 13.3% | (46) | 7.7% | (47) | 3.8% | (33) |
| | Saskatchewan | 18.9% | (47) | 21.4% | (33) | 15.5% | (29) | 9.2% | (37) | 5.0% | (25) |
| | Alberta | 30.0% | (26) | 25.3% | (22) | 22.9% | (10) | 14.5% | (10) | 8.0% | (11) |
| | British Columbia | 16.3% | (50) | 14.9% | (50) | 11.5% | (51) | 11.1% | (27) | 5.6% | (24) |
| | 9-Province Total | 16.0% | | 19.0% | | 14.7% | | 12.2% | | 5.9% | |
| | All 10 Provinces | 14.8% | | 16.7% | | 13.1% | | 10.5% | | 5.1% | |
| USA | 11 Selected States | | | | | | | | | | |
| | California | 58.1% | (2) | 47.4% | (2) | 30.6% | (3) | 22.9% | (4) | 5.7% | (22) |
| | Florida | 39.9% | (10) | 23.5% | (27) | 12.8% | (47) | 6.9% | (53) | -0.4% | (56) |
| | Illinois | 37.9% | (11) | 30.0% | (9) | 21.2% | (15) | 13.5% | (15) | 7.6% | (14) |
| | Indiana | 28.0% | (30) | 21.0% | (35) | 15.1% | (35) | 7.7% | (48) | 3.0% | (39) |
| | Michigan | 29.4% | (29) | 24.4% | (24) | 20.8% | (16) | 9.1% | (39) | 1.8% | (52) |
| | Minnesota | 26.7% | (35) | 17.1% | (47) | 11.6% | (50) | 7.5% | (49) | 2.5% | (44) |
| | New York | 27.1% | (33) | 25.3% | (21) | 15.1% | (34) | 11.4% | (26) | 2.7% | (40) |
| | Ohio | 24.6% | (40) | 18.4% | (42) | 14.0% | (41) | 6.9% | (54) | 1.1% | (55) |
| | Pennsylvania | 23.4% | (41) | 18.7% | (41) | 14.8% | (37) | 8.4% | (43) | 1.5% | (53) |
| | Texas | 59.0% | (1) | 42.6% | (4) | 43.8% | (1) | 13.1% | (19) | 13.7% | (1) |
| | Wisconsin | 23.4% | (42) | 19.1% | (39) | 14.7% | (38) | 11.0% | (28) | 1.9% | (48) |
| | 11-State Total | 40.5% | | 31.6% | | 23.2% | | 13.4% | | 4.9% | |
| | Other 39 States | | | | | | | | | | |
| | Alabama | 15.3% | (52) | 14.3% | (53) | 7.6% | (56) | 4.9% | (57) | 2.5% | (43) |
| | Alaska | 19.1% | (46) | 21.5% | (32) | 20.2% | (18) | 12.8% | (21) | 6.6% | (19) |
| | Arizona | 29.9% | (27) | 20.6% | (36) | 13.6% | (45) | 6.7% | (55) | 6.4% | (20) |
| | Arkansas | 34.2% | (14) | 26.5% | (17) | 17.4% | (26) | 14.4% | (12) | 2.6% | (42) |
| | Colorado | 26.6% | (36) | 20.1% | (38) | 14.8% | (36) | 9.4% | (36) | 4.9% | (28) |
| | Connecticut | 40.5% | (9) | 30.9% | (8) | 22.2% | (12) | 13.2% | (17) | 7.9% | (12) |
| | Delaware | 27.5% | (32) | 22.0% | (29) | 15.3% | (30) | 13.2% | (16) | 1.8% | (51) |
| | Georgia | 30.5% | (25) | 22.8% | (28) | 14.5% | (39) | 7.9% | (46) | 6.2% | (21) |
| | Hawaii | -0.6% | (60) | -0.7% | (60) | 8.3% | (53) | 5.2% | (56) | 3.0% | (38) |
| | Idaho | 36.9% | (13) | 33.2% | (6) | 24.1% | (7) | 10.6% | (29) | 12.3% | (3) |
| | Iowa | 16.6% | (49) | 10.9% | (57) | 5.8% | (58) | 8.4% | (44) | -2.5% | (59) |

| Country | Province\State | 5-Year Change 96-97 to 01-02 % | Rank | 4-Year Change 97-98 to 01-02 % | Rank | 3-Year Change 98-99 to 01-02 % | Rank | 2-Year Change 99-00 to 01-02 % | Rank | 1-Year Change 00-01 to 01-02 % | Rank |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Kansas | 33.7% | (16) | 26.3% | (18) | 18.3% | (22) | 13.0% | (20) | 4.8% | (30) |
| | Kentucky | 53.3% | (5) | 41.2% | (5) | 22.0% | (13) | 12.7% | (22) | 8.3% | (9) |
| | Louisiana | 54.5% | (4) | 29.6% | (10) | 16.2% | (28) | 2.4% | (60) | 13.4% | (2) |
| | Maine | 31.5% | (22) | 28.9% | (13) | 20.5% | (17) | 14.9% | (8) | 4.8% | (29) |
| | Maryland | 53.0% | (6) | 47.9% | (1) | 37.6% | (2) | 24.6% | (2) | 10.4% | (6) |
| | Massachusetts | 22.3% | (43) | 9.2% | (58) | 3.5% | (60) | 10.4% | (30) | -6.2% | (60) |
| | Mississippi | 26.8% | (34) | 16.3% | (49) | 7.3% | (57) | 9.7% | (35) | -2.2% | (58) |
| | Missouri | 32.6% | (20) | 24.8% | (23) | 14.1% | (40) | 11.7% | (24) | 2.1% | (46) |
| | Montana | 19.1% | (45) | 17.8% | (44) | 15.2% | (32) | 9.0% | (40) | 5.7% | (23) |
| | Nebraska | 30.7% | (24) | 26.5% | (16) | 19.3% | (21) | 20.9% | (5) | -1.3% | (57) |
| | Nevada | 45.6% | (8) | 18.9% | (40) | 19.5% | (20) | 9.0% | (41) | 9.5% | (7) |
| | New Hampshire | 29.7% | (28) | 21.2% | (34) | 18.0% | (24) | 10.4% | (31) | 6.9% | (17) |
| | New Jersey | 33.1% | (18) | 29.3% | (11) | 23.5% | (9) | 14.5% | (11) | 7.9% | (13) |
| | New Mexico | 25.4% | (39) | 25.7% | (20) | 18.2% | (23) | 9.9% | (33) | 7.5% | (15) |
| | North Carolina | 31.9% | (21) | 21.7% | (30) | 13.6% | (44) | 11.6% | (25) | 1.8% | (50) |
| | North Dakota | 31.0% | (23) | 16.4% | (48) | 16.4% | (27) | 7.3% | (51) | 8.5% | (8) |
| | Oklahoma | 33.8% | (15) | 23.9% | (25) | 13.7% | (43) | 8.8% | (42) | 4.5% | (31) |
| | Oregon | 48.7% | (7) | 28.7% | (14) | 28.5% | (5) | 24.2% | (3) | 3.4% | (35) |
| | Rhode Island | 37.3% | (12) | 32.0% | (7) | 22.2% | (11) | 13.8% | (13) | 7.4% | (16) |
| | South Carolina | 26.3% | (37) | 20.5% | (37) | 15.3% | (31) | 13.2% | (18) | 1.9% | (49) |
| | South Dakota | 20.9% | (44) | 17.7% | (45) | 12.8% | (48) | 8.2% | (45) | 4.3% | (32) |
| | Tennessee | 16.7% | (48) | 17.9% | (43) | 12.0% | (49) | 9.1% | (38) | 2.6% | (41) |
| | Utah | 33.0% | (19) | 29.2% | (12) | 24.4% | (6) | 11.9% | (23) | 11.2% | (4) |
| | Vermont | 33.4% | (17) | 28.4% | (15) | 23.7% | (8) | 14.5% | (9) | 8.0% | (10) |
| | Virginia | 57.0% | (3) | 45.9% | (3) | 29.4% | (4) | 25.4% | (1) | 3.2% | (36) |
| | Washington | 27.5% | (31) | 23.7% | (26) | 19.8% | (19) | 16.4% | (6) | 3.0% | (37) |
| | West Virginia | 14.6% | (53) | 11.1% | (56) | 8.2% | (54) | 6.9% | (52) | 1.2% | (54) |
| | Wyoming | 25.8% | (38) | 25.8% | (19) | 21.6% | (14) | 10.1% | (32) | 10.5% | (5) |
| | 39-State Total | 32.0% | | 24.6% | | 17.0% | | 12.2% | | 4.3% | |
| | All 50 States | 36.5% | | 28.2% | | 20.3% | | 15.0% | | 4.6% | |

Notes: Canada — Data is based on funding for universities only.
British Columbia data excludes 3 university colleges that were added to the CAUBO dataset in 1997-98, creating a significant discontinuity in the time series.

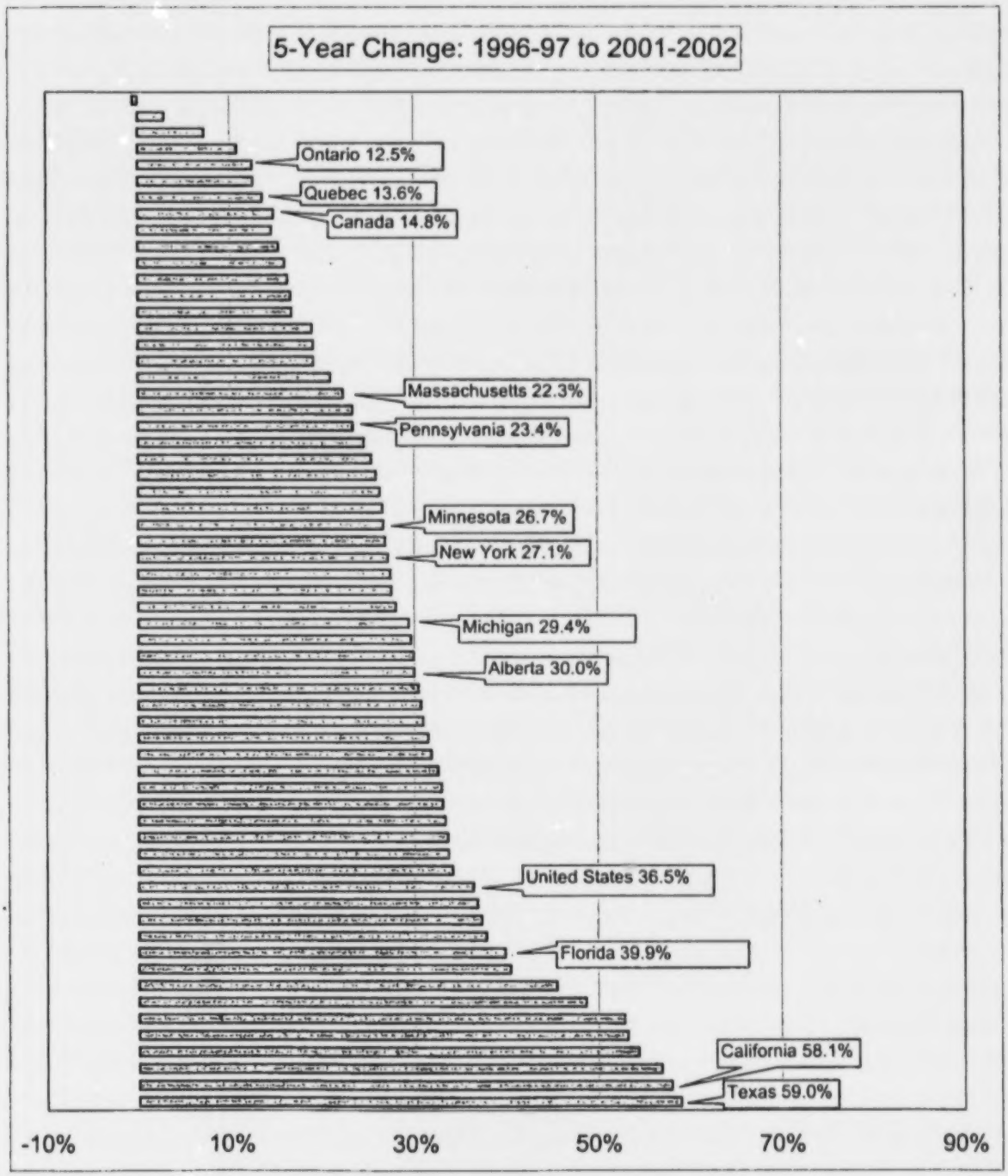
USA — Data includes funding for universities, community colleges, vocational institutes and student support.
"11 Selected States" are the 8 Great Lakes states plus the 3 other largest population states. These states collectively have more than half the population of the United States.

Sources: Canada — 1996-97 to 1999-00: Statistics Canada, Canadian Association of University Business Officers (CAUBO), Financial Statistics of Universities and Colleges, various years.
2000-01 to 2001-02: Based on estimates from AUCC except Ontario, which is based on year-over-year growth in MTCU grants.

USA — State Higher Education Executive Officers, State Higher Education Appropriations, and Financing Higher Education. Grapevine, A National Database of Tax Support for Higher Education, Center for Higher Education & Educational Finance.

**FIGURE 2.7**

**PERCENT CHANGE IN PROVINCIAL AND STATE FUNDING FOR OPERATING EXPENSES OF POST-SECONDARY EDUCATION CANADIAN PROVINCES AND AMERICAN STATES 1996-97 TO 2001-02**



# Section 3

# Comparisons with Other Sectors

**TABLE 3.1**

**OPERATING EXPENDITURES PER CLIENT**
**UNIVERSITIES AND FOUR OTHER PUBLIC SECTORS**
**ONTARIO**
**1987-88 TO 2000-01**

| | 1987-88 | 1988-89 | 1989-90 | 1990-91 | 1991-92 | 1992-93 | 1993-94 | 1994-95 | 1995-96 | 1996-97 | 1997-98 | 1998-99 | 1999-00 | 2000-01 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Elementary & Secondary Schools** | | | | | | | | | | | | | | |
| Actual $ | 5,111 | 5,570 | 6,156 | 6,618 | 7,136 | 7,087 | 7,363 | 7,019 | 7,077 | 7,249 | 7,451 | 7,056 | 7,094 | |
| Constant $ | 6,893 | 7,215 | 7,569 | 7,745 | 8,030 | 7,840 | 8,042 | 7,621 | 7,530 | 7,575 | 7,692 | 7,211 | 7,094 | |
| Index | 100.0 | 104.7 | 109.8 | 112.4 | 116.5 | 113.7 | 116.7 | 110.6 | 109.2 | 109.9 | 111.6 | 104.6 | 102.9 | |
| **Community Colleges** | | | | | | | | | | | | | | |
| Actual $ | 6,493 | 6,958 | 7,268 | 7,430 | 7,110 | 7,290 | 6,858 | 6,910 | 6,872 | 6,531 | 6,771 | 6,980 | 7,440 | 7,886 |
| Constant $ | 8,756 | 9,013 | 8,933 | 8,694 | 8,001 | 8,064 | 7,490 | 7,502 | 7,312 | 6,825 | 6,990 | 7,133 | 7,440 | 7,666 |
| Index | 100.0 | 102.9 | 102.0 | 99.3 | 91.4 | 92.1 | 85.5 | 85.7 | 83.5 | 77.9 | 79.8 | 81.5 | 85.0 | 87.5 |
| **Health Care** | | | | | | | | | | | | | | |
| Actual$ | 1,791 | 1,939 | 2,094 | 2,240 | 2,480 | 2,547 | 2,564 | 2,582 | 2,588 | 2,594 | 2,651 | 2,817 | 2,940 | 3,287 |
| Constant | 2,415 | 2,512 | 2,575 | 2,621 | 2,757 | 2,817 | 2,801 | 2,804 | 2,753 | 2,711 | 2,737 | 2,879 | 2,940 | 3,195 |
| Index | 100.0 | 104.0 | 106.6 | 108.5 | 114.2 | 116.7 | 116.0 | 116.1 | 114.0 | 112.3 | 113.3 | 119.2 | 121.7 | 132.3 |
| **Adult Offenders** | | | | | | | | | | | | | | |
| Actual $ | 115.1 | 109.1 | 105.3 | 118.7 | 121.1 | 124.3 | 128.4 | 121.0 | 116.5 | 123.3 | 126.8 | 128.0 | 139.9 | 138.8 |
| Constant $ | 155.2 | 141.3 | 129.4 | 138.9 | 136.2 | 137.5 | 140.3 | 131.3 | 123.9 | 128.8 | 130.9 | 130.9 | 139.9 | 134.9 |
| Index | 100.0 | 91.0 | 83.4 | 89.5 | 87.8 | 88.6 | 90.4 | 84.6 | 79.8 | 83.0 | 84.3 | 84.3 | 90.1 | 86.9 |
| **Universities** | | | | | | | | | | | | | | |
| Actual $ | 8,467 | 8,699 | 9,192 | 9,772 | 10,228 | 10,400 | 10,294 | 10,505 | 10,707 | 10,606 | 10,854 | 11,726 | 12,380 | 12,719 |
| Constant $ | 11,420 | 11,268 | 11,303 | 11,435 | 11,509 | 11,505 | 11,243 | 11,406 | 11,392 | 11,083 | 11,206 | 11,985 | 12,380 | 12,364 |
| Index | 100.0 | 98.7 | 99.0 | 100.1 | 100.8 | 100.7 | 98.4 | 99.9 | 99.8 | 97.1 | 98.1 | 104.9 | 108.4 | 108.3 |

Notes:
- Elem/Sec Schools: Total school costs per pupil. Data only available to 1999-00.
- Community Colleges: Operating revenue per provincially funded FTE student
- Healthcare: Total provincial health expenditures (less capital) per capita. This is a change from the previous Resource Document. Per capita was used because Statistics Canada estimates that 97.4% of Ontarians accessed healthcare at least once in 2001
- Adult Offenders: Expenditures per inmate-day
- Universities: Operating expenses per FTE student. Some of the increase from 1998-99 on is due to an accounting change.

Indices are based on constant 1999-00 dollars

Sources:
- Elem/Sec Schools: Ministry of Education
- Healthcare: Canadian Institute for Health Information (CIHI); Statistics Canada: Access to Health Care Services in Canada, 2001, table A-2 (http://www.statcan.ca/english/freepub/82-575-XIF/82-575-XIE2002001.pdf)
- Community Colleges: Ministry of Training, Colleges and Universities
- Adult Offenders: Ministry of Correctional Services
- Universities: COFO-UO, Financial Report of Ontario Universities

BEST COPY AVAILABLE

FIGURE 3.1

OPERATING EXPENDITURES PER CLIENT
UNIVERSITIES AND FOUR OTHER PUBLIC SECTORS
ONTARIO
1987-88 TO 2000-01

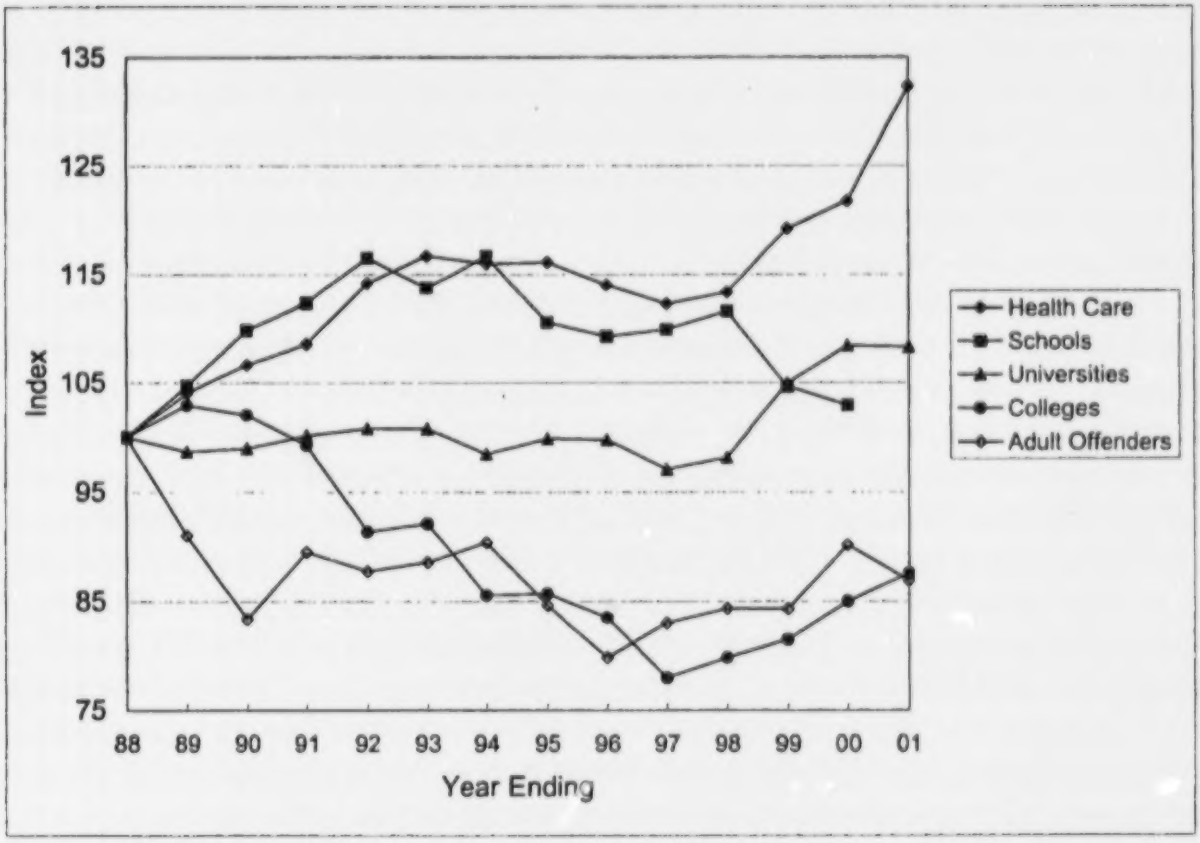


TABLE 3.2

**OPERATING EXPENDITURES PER CLIENT**
**HEALTH, SCHOOLS AND UNIVERSITIES**
**PROVINCIAL COMPARISON**
**1999**

| | Health per capita | | | Schools Per Student (1998-99) | | | Universities Per Student (1999-00) | | |
|---|---|---|---|---|---|---|---|---|---|
| | $ | Index | Rank | $ | Index | Rank | $ | Index | Rank |
| Newfoundland | $2,288 | 115.5 | (1) | $5,362 | 84.9 | (8) | $12,145 | 102.8 | (5) |
| P.E.I. | $1,800 | 90.9 | (10) | $5,264 | 83.3 | (10) | $16,021 | 135.6 | (1) |
| Nova Scotia | $1,957 | 98.8 | (5) | $5,337 | 84.5 | (9) | $12,354 | 104.6 | (3) |
| New Brunswick | $1,879 | 94.9 | (8) | $6,106 | 96.6 | (7) | $11,007 | 93.2 | (10) |
| Quebec | $1,812 | 91.5 | (9) | $6,689 | 105.8 | (4) | $11,692 | 99.0 | (7) |
| Ontario | $1,895 | 95.7 | (7) | $7,580 | 120.0 | (1) | $11,703 | 99.1 | (6) |
| Manitoba | $2,130 | 107.5 | (2) | $7,170 | 113.5 | (2) | $13,352 | 113.0 | (2) |
| Saskatchewan | $2,031 | 102.6 | (4) | $6,126 | 96.9 | (6) | $11,469 | 97.1 | (9) |
| Alberta | $1,956 | 98.8 | (6) | $6,499 | 102.8 | (5) | $12,159 | 102.9 | (4) |
| British Columbia | $2,055 | 103.8 | (3) | $7,056 | 111.7 | (3) | $11,564 | 97.9 | (8) |
| 10 Provinces | $1,980 | 100.0 | | $6,319 | 100.0 | | $11,815 | 100.0 | |

Notes:

- "10 Provinces" row is not weighted by number of clients in each province.
- Index columns are relative to 10 Provinces = 100.0.
- Health expenditures cover provincially funded expenditures only.
- Schools are total expenditures per full-time equivalent student.
- Total University Operating Expenditures per Student: This is an estimate calculated according to the methodology outlined in Appendix C. It is similar to the methodology used for the interprovincial comparisons in Tables 2.3 to 2.5 of the Resource Document.
- Results are not comparable with Table 3.1.

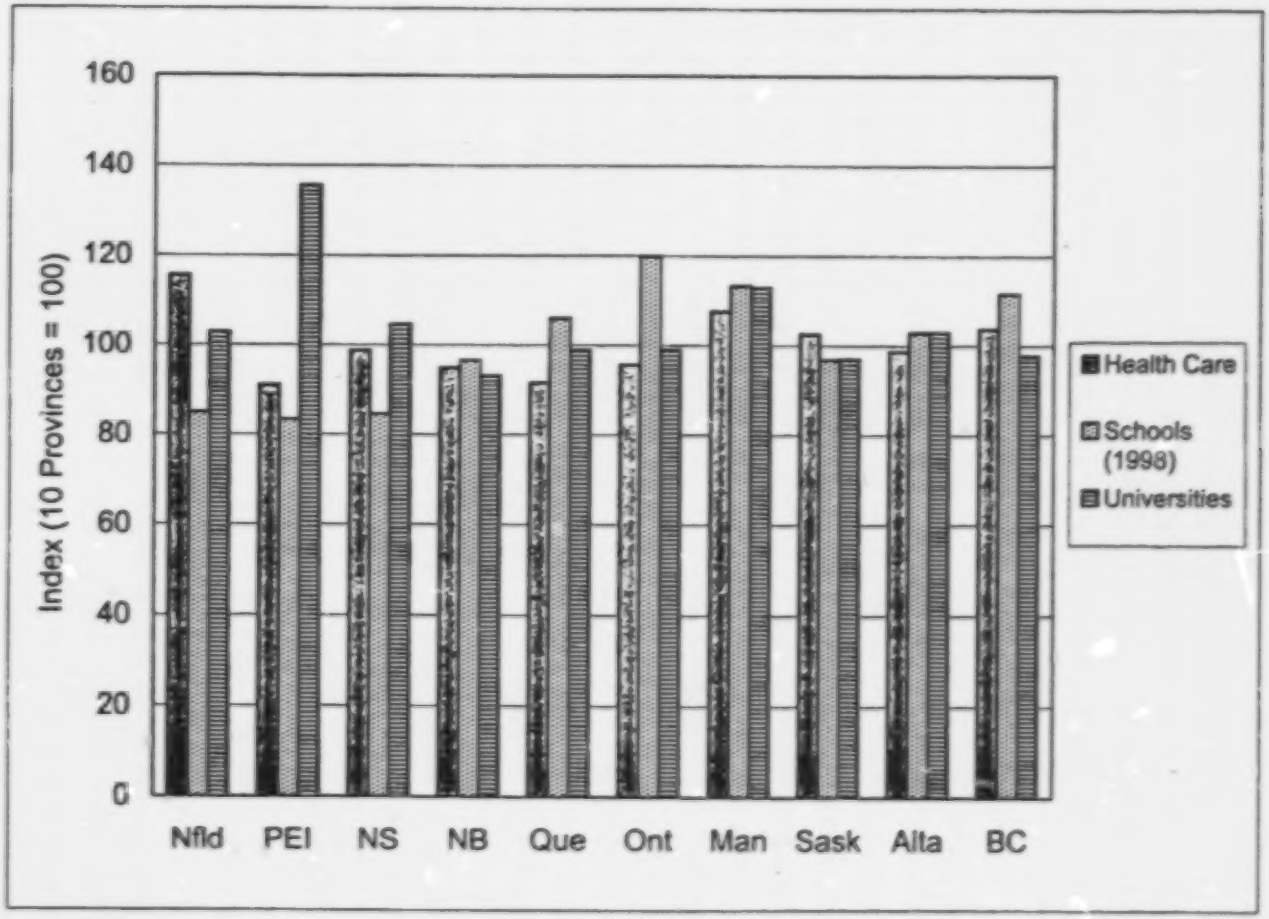
Sources:

| | |
|---|---|
| Health | Canadian Institute for Health Information (CIHI) Age_Sex Annex Tables 78C to 87C. |
| Schools | Statistics Canada, 81-229, Education in Canada, 2001,Table 67. |
| Universities | Interprovincial Comparisons of University Funding, Tripartite (MET, COU, OCUA) Committee on Interprovincial Comparisons, April 1992. Last Tripartite report.<br>Total Operating Expenses: Statistics Canada, Canadian Association of University Business Officers (CAUBO), Financial Statistics of Universities and Colleges.<br>Enrolment: Statistics Canada. |

BEST COPY AVAILABLE

FIGURE 3.2

OPERATING EXPENDITURES PER CLIENT
HEALTH, SCHOOLS AND UNIVERSITIES
PROVINCIAL COMPARISON
1999



# Section 4

# Research

**TABLE 4.1**

**SPONSORED RESEARCH EXPENSES**
**COMPARED TO UNIVERSITY OPERATING EXPENSES**
**ONTARIO UNIVERSITIES**
**1987-1988 TO 2000-01**

| | Sponsored Research Expenses ($000s) | | | University Operating Expenses ($000s) | | |
|---|---|---|---|---|---|---|
| | Actual Dollars | Constant 2000-01 $ | Index of Constant $ | Actual Dollars | Constant 2000-01 $ | Index of Constant $ |
| 1987-88 | $394,844 | $547,810 | 100.0 | $1,824,714 | $2,531,625 | 100.0 |
| 1988-89 | $458,978 | $611,615 | 111.6 | $1,952,997 | $2,602,482 | 102.8 |
| 1989-90 | $488,805 | $618,290 | 112.9 | $2,128,359 | $2,692,163 | 106.3 |
| 1990-91 | $550,363 | $662,517 | 120.9 | $2,348,260 | $2,826,792 | 111.7 |
| 1991-92 | $580,336 | $671,783 | 122.6 | $2,557,505 | $2,960,506 | 116.9 |
| 1992-93 | $610,424 | $694,683 | 126.8 | $2,650,614 | $3,016,488 | 119.2 |
| 1993-94 | $717,188 | $805,782 | 147.1 | $2,603,626 | $2,925,250 | 115.5 |
| 1994-95 | $722,901 | $807,451 | 147.4 | $2,632,182 | $2,940,040 | 116.1 |
| 1995-96 | $716,124 | $783,838 | 143.1 | $2,642,506 | $2,892,370 | 114.2 |
| 1996-97 | $750,045 | $806,334 | 147.2 | $2,575,425 | $2,768,703 | 109.4 |
| 1997-98 | $802,599 | $852,436 | 155.6 | $2,627,474 | $2,790,626 | 110.2 |
| 1998-99 | $836,779 | $879,769 | 160.6 | $2,844,460 | $2,990,597 | 118.1 |
| 1999-00 | $951,527 | $978,860 | 178.7 | $3,111,188 | $3,200,558 | 126.4 |
| 2000-01 | $1,223,282 | $1,223,282 | 223.3 | $3,264,114 | $3,264,114 | 128.9 |

Note: Affiliated and federated colleges excluded.

Source: COFO-UO, Financial Report of Ontario Universities.

FIGURE 4.1

SPONSORED RESEARCH EXPENSES
COMPARED TO UNIVERSITY OPERATING EXPENSES
ONTARIO UNIVERSITIES
1987-88 TO 2000-01

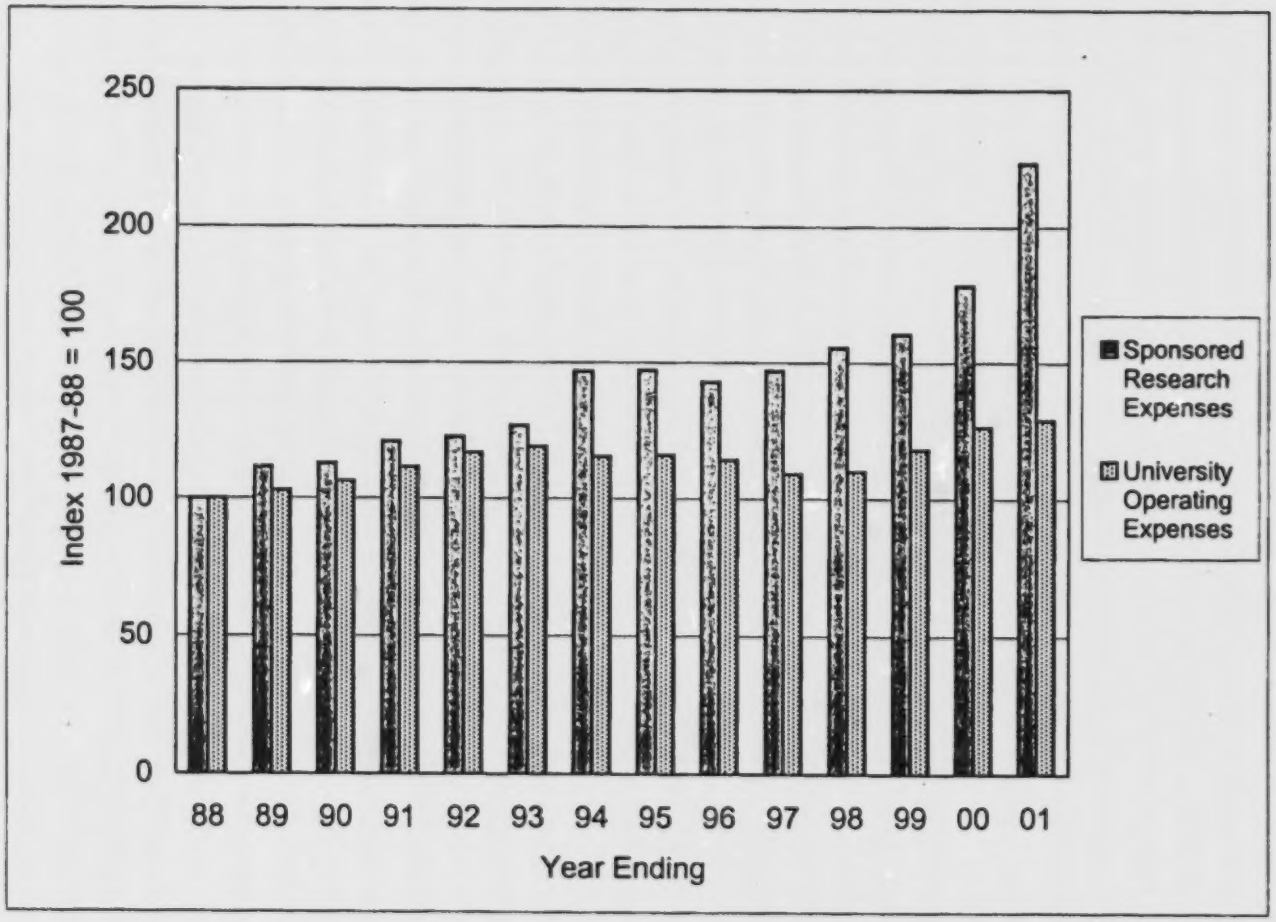


**TABLE 4.2**

**PEER-ADJUDICATED SPONSORED RESEARCH GRANTS (PASRG)**
**SSHRC + NSERC + MRC**
**COMPARED TO ONTARIO RESEARCH OVERHEAD/INFRASTRUCTURE ENVELOPE (ROIE)**
**ONTARIO UNIVERSITIES**
**1987-88 TO 2001-02**

$000s

| | NSERC+SSHRC+MRC Peer-Adjudicated Sponsored Research Grants (PASRG) To Ontario Universities | | Ontario Government Research Overhead/ Infrastructure Envelope (ROIE) | ROIE as a Share of PASRG (3-Year Avg, Slipped 2 Years) |
|---|---|---|---|---|
| | Single-Year Actual Data | Three-Year Average, Slipped Two Years | | |
| 1987-88 | $147,094 | $124,191 | $25,000 | 20.1% |
| 1988-89 | $157,694 | $132,706 | $26,125 | 19.7% |
| 1989-90 | $173,675 | $139,691 | $27,170 | 19.5% |
| 1990-91 | $175,003 | $147,633 | $28,447 | 19.3% |
| 1991-92 | $176,281 | $159,488 | $30,296 | 19.0% |
| 1992-93 | $182,303 | $168,791 | $30,569 | 18.1% |
| 1993-94 | $187,351 | $174,986 | $28,337 | 16.2% |
| 1994-95 | $187,354 | $177,863 | $27,839 | 15.7% |
| 1995-96 | $182,687 | $181,979 | $27,477 | 15.1% |
| 1996-97 | $178,853 | $185,670 | $22,990 | 12.4% |
| 1997-98 | $178,103 | $185,798 | $27,477 | 14.8% |
| 1998-99 | $195,565 | $182,965 | $27,477 | 15.0% |
| 1999-00 | $216,040 | $179,881 | $27,752 | 15.4% |
| 2000-01 | | $184,174 | $27,752 | 15.1% |
| 2001-02 | | $196,569 | $27,752 | 14.1% |

Notes: The NSERC+SSHRC+MRC three-year average is slipped two years. For example, the 2001-02 average is based on 1997-98, 1998-99 and 1999-00 data. This methodology is used by MTCU to determine the share of ROIE that each Ontario university receives. The ROIE began in 1987-88.

Source: Ministry of Training, Colleges and Universities.

**FIGURE 4.2**

**PEER-ADJUDICATED SPONSORED RESEARCH GRANTS (PASRG)**
**SSHRC + NSERC + MRC**
**COMPARED TO ONTARIO RESEARCH OVERHEAD/INFRASTRUCTURE ENVELOPE (ROIE)**
**ONTARIO UNIVERSITIES**
**1987-88 TO 2001-02**

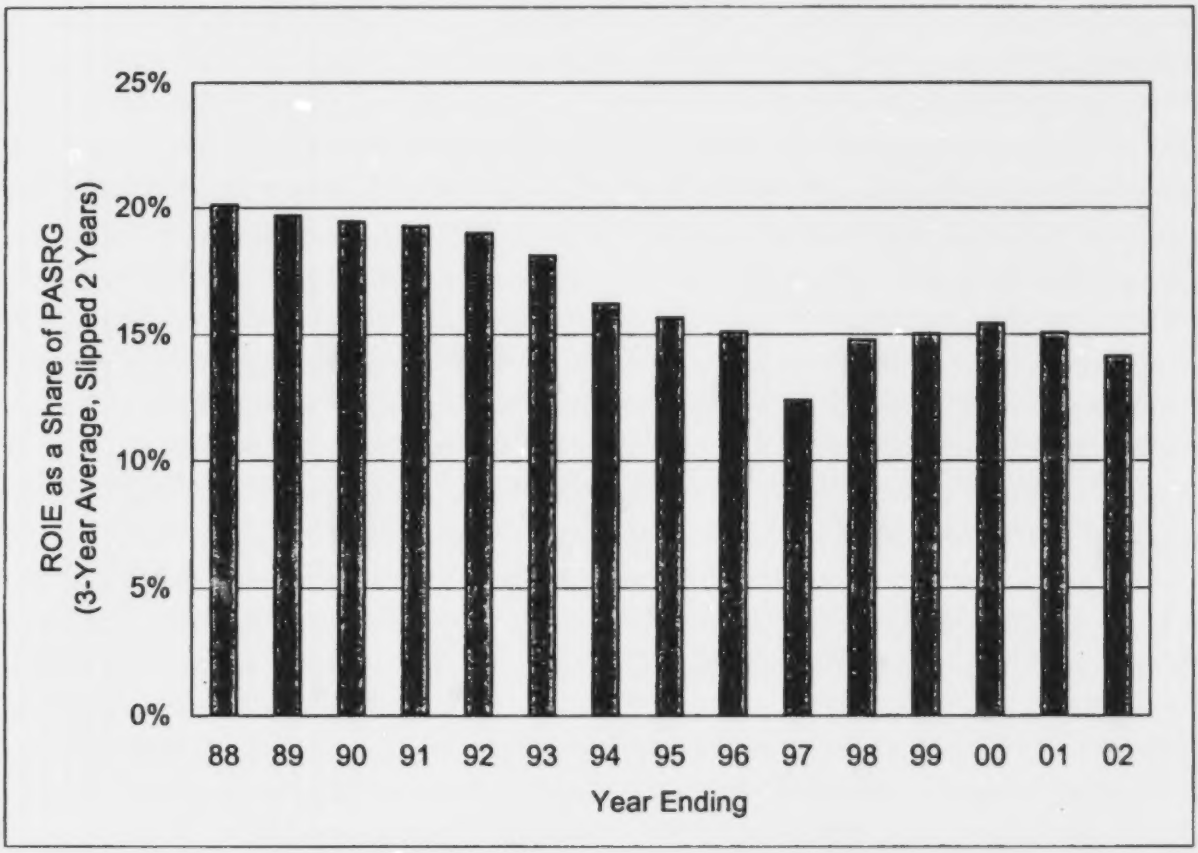


**TABLE 4.3**

**SPONSORED RESEARCH FUNDING TO UNIVERSITIES**
**SSHRC + NSERC + MRC**
**PROVINCIAL COMPARISON**
**1987-88 TO 1999-00**

| | Nfld | PEI | NS | NB | Que | Man | Sask | Alta | BC | 9 Provs | Ontario | Canada |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Funding ($000s) | | | | | | | | | | | | |
| 1987-88 | $7,968 | $287 | $16,023 | $6,417 | $112,529 | $17,883 | $14,597 | $42,682 | $54,063 | $272,449 | $173,481 | $445,930 |
| 1988-89 | $9,212 | $376 | $17,645 | $6,872 | $126,894 | $20,301 | $17,001 | $44,882 | $55,896 | $299,079 | $191,860 | $490,939 |
| 1989-90 | $8,945 | $443 | $17,613 | $6,181 | $140,304 | $21,486 | $15,778 | $51,725 | $59,857 | $322,332 | $204,452 | $526,784 |
| 1990-91 | $11,766 | $456 | $25,512 | $6,778 | $172,828 | $22,154 | $19,250 | $59,810 | $36,184 | $404,738 | $215,391 | $620,129 |
| 1991-92 | $11,247 | $632 | $25,736 | $7,429 | $183,197 | $22,439 | $19,882 | $61,427 | $90,767 | $422,756 | $223,708 | $646,464 |
| 1992-93 | $10,275 | $673 | $22,808 | $7,141 | $179,128 | $22,680 | $18,796 | $63,514 | $92,406 | $417,421 | $233,064 | $650,485 |
| 1993-94 | $9,837 | $641 | $21,146 | $6,327 | $190,387 | $21,625 | $18,842 | $62,518 | $88,560 | $419,883 | $252,116 | $671,999 |
| 1994-95 | $8,328 | $556 | $23,099 | $7,130 | $196,035 | $22,837 | $19,714 | $68,841 | $96,555 | $443,095 | $250,355 | $693,450 |
| 1995-96 | $8,141 | $445 | $18,313 | $7,105 | $189,409 | $20,053 | $16,943 | $63,477 | $84,154 | $408,040 | $248,302 | $656,342 |
| 1996-97 | $8,342 | $598 | $18,609 | $6,907 | $183,868 | $18,019 | $18,582 | $64,403 | $76,139 | $395,467 | $239,828 | $635,295 |
| 1997-98 | $7,457 | $611 | $18,929 | $6,397 | $165,991 | $19,977 | $13,015 | $72,716 | $76,224 | $381,317 | $225,754 | $607,071 |
| 1998-99 | $9,118 | $951 | $19,334 | $7,387 | $213,255 | $20,281 | $16,012 | $74,906 | $86,485 | $447,729 | $263,748 | $711,477 |
| 1999-00 | $13,469 | $776 | $25,490 | $7,681 | $258,677 | $21,974 | $17,887 | $93,161 | $93,863 | $532,978 | $301,783 | $834,761 |
| Provincial Share of National Total | | | | | | | | | | | | |
| 1987-88 | 1.8% | 0.1% | 3.6% | 1.4% | 25.2% | 4.0% | 3.3% | 9.6% | 12.1% | 61.1% | 38.9% | 100.0% |
| 1988-89 | 1.9% | 0.1% | 3.6% | 1.4% | 25.8% | 4.1% | 3.5% | 9.1% | 11.4% | 60.9% | 39.1% | 100.0% |
| 1989-90 | 1.7% | 0.1% | 3.3% | 1.2% | 26.6% | 4.1% | 3.0% | 9.8% | 11.4% | 61.2% | 38.8% | 100.0% |
| 1990-91 | 1.9% | 0.1% | 4.1% | 1.1% | 27.9% | 3.6% | 3.1% | 9.6% | 13.9% | 65.3% | 34.7% | 100.0% |
| 1991-92 | 1.7% | 0.1% | 4.0% | 1.1% | 28.3% | 3.5% | 3.1% | 9.5% | 14.0% | 65.4% | 34.6% | 100.0% |
| 1992-93 | 1.6% | 0.1% | 3.5% | 1.1% | 27.5% | 3.5% | 2.9% | 9.8% | 14.2% | 64.2% | 35.8% | 100.0% |
| 1993-94 | 1.5% | 0.1% | 3.1% | 0.9% | 28.3% | 3.2% | 2.8% | 9.3% | 13.2% | 62.5% | 37.5% | 100.0% |
| 1994-95 | 1.2% | 0.1% | 3.3% | 1.0% | 28.3% | 3.3% | 2.8% | 9.9% | 13.9% | 63.9% | 36.1% | 100.0% |
| 1995-96 | 1.2% | 0.1% | 2.8% | 1.1% | 28.9% | 3.1% | 2.6% | 9.7% | 12.8% | 62.2% | 37.8% | 100.0% |
| 1996-97 | 1.3% | 0.1% | 2.9% | 1.1% | 28.9% | 2.8% | 2.9% | 10.1% | 12.0% | 62.2% | 37.8% | 100.0% |
| 1997-98 | 1.2% | 0.1% | 3.1% | 1.1% | 27.3% | 3.3% | 2.1% | 12.0% | 12.6% | 62.8% | 37.2% | 100.0% |
| 1998-99 | 1.3% | 0.1% | 2.7% | 1.0% | 30.0% | 2.9% | 2.3% | 10.5% | 12.2% | 62.9% | 37.1% | 100.0% |
| 1999-00 | 1.6% | 0.1% | 3.1% | 0.9% | 31.0% | 2.6% | 2.1% | 11.2% | 11.2% | 63.8% | 36.2% | 100.0% |

Note: This table reflects both peer-adjudicated and non-peer-adjudicated awards. Table 4.2 is peer-adjudicated awards only.

Source: Statistics Canada, Canadian Association of University Business Officers (CAUBO), Financial Statistics of Universities and Colleges. Income from Sponsored Research.

**FIGURE 4.3**

**SPONSORED RESEARCH FUNDING TO UNIVERSITIES**
**SSHRC + NSERC + MRC**
**PROVINCIAL COMPARISON**
**1987-88 TO 1999-00**

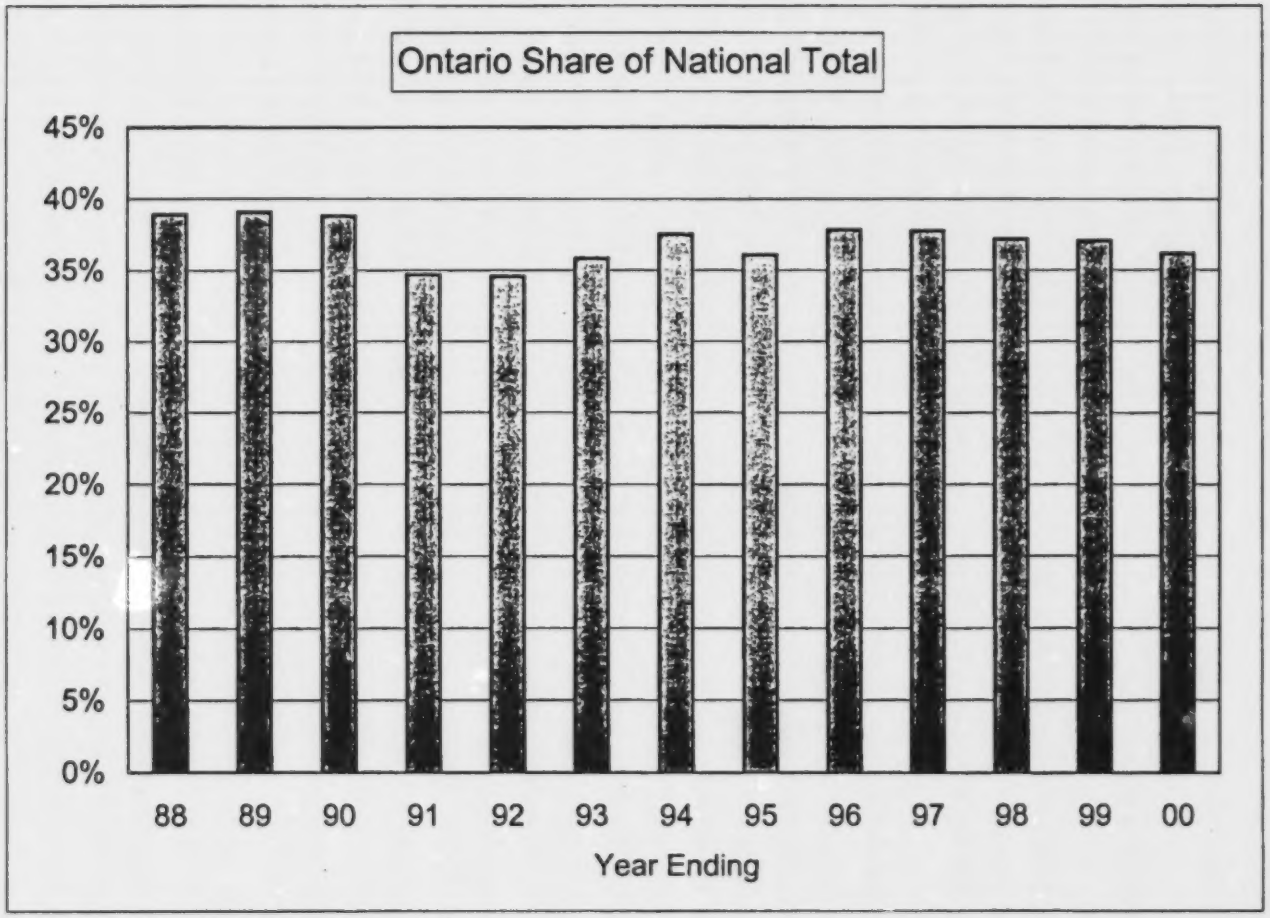


**TABLE 4.4**

**GROSS EXPENDITURE ON RESEARCH AND DEVELOPMENT (GERD)**
**ONTARIO AND THE GROUP OF SEVEN INDUSTRIALIZED NATIONS**
**1999**

| | GERD per Capita | | GERD as a Percentage of GDP | | Percentage of GERD Performed by Higher Education Sector | | GERD Performed by Higher Education Sector as Percentage of GDP | |
|---|---|---|---|---|---|---|---|---|
| | PPP $ | Rank | % | Rank | % | Rank | % | Rank |
| Ontario | $589.33 | (4) | 2.00% | (5) | 26.60% | (3) | 0.53% | (2) |
| Canada | $483.46 | (6) | 1.77% | (7) | 30.91% | (2) | 0.55% | (1) |
| France | $503.40 | (5) | 2.19% | (4) | 17.20% | (5) | 0.38% | (5) |
| Germany | $600.50 | (3) | 2.44% | (3) | 16.50% | (6) | 0.40% | (4) |
| Italy | $249.00 | (8) | 1.04% | (8) | 31.50% | (1) | 0.33% | (8) |
| Japan | $732.30 | (2) | 2.94% | (1) | 14.80% | (7) | 0.44% | (3) |
| UK | $437.40 | (7) | 1.88% | (6) | 19.60% | (4) | 0.37% | (7) |
| USA | $896.40 | (1) | 2.66% | (2) | 13.90% | (8) | 0.37% | (6) |

Notes: PPP $ are Purchasing Power Parity dollars as defined and calculated by OECD.

Sources: Ontario and Canada: Statistics Canada, Service Bulletin Science Statistics V. 25 no. 8 (reduced by ppp=1.17)
Other Nations: OECD, Main Science and Technology Indicators, Volume 2002:1.

# Section 5

# Tuition Fees

**TABLE 5.1**

**MAXIMUM CHARGEABLE TUITION FEES**
**BACHELOR OF ARTS PROGRAM**
**ONTARIO UNIVERSITIES**
**COMPARED WITH ONTARIO AVERAGE PERSONAL AND FAMILY INCOME**
**1988-89 TO 2001-02**

| | Formula Fee Rate Increase | Formula Fee Rate for Arts | Maximum Discretionary Component (MDC) | Maximum Tuition Fee (MTF) | Average Personal Income (API) | MTF / API % | Average Family Income (AFI) | MTF / AFI % |
|---|---|---|---|---|---|---|---|---|
| 1988-89 | 4.5% | $1,249 | 13.00% | $1,411 | $20,920 | 6.7% | $51,526 | 2.7% |
| 1989-90 | 7.5% | $1,343 | 13.00% | $1,518 | $22,333 | 6.8% | $55,173 | 2.8% |
| 1990-91 | 8.0% | $1,450 | 13.00% | $1,639 | $23,114 | 7.1% | $55,314 | 3.0% |
| 1991-92 | 8.0% | $1,566 | 13.00% | $1,770 | $23,568 | 7.5% | $56,830 | 3.1% |
| 1992-93 | 7.0% | $1,676 | 13.00% | $1,894 | $24,008 | 7.9% | $57,067 | 3.3% |
| 1993-94 | 7.0% | $1,793 | 13.00% | $2,026 | $23,955 | 8.5% | $56,377 | 3.6% |
| 1994-95 | 10.0% | $1,972 | 13.00% | $2,228 | $24,071 | 9.3% | $57,376 | 3.9% |
| 1995-96 | 10.0% | $2,169 | 13.00% | $2,451 | $24,749 | 9.9% | $59,259 | 4.1% |
| 1996-97 | 10.0% | $2,386 | 23.00% | $2,935 | $24,890 | 11.8% | $59,432 | 4.9% |
| 1997-98 | 0.0% | $2,386 | 35.30% | $3,228 | $25,741 | 12.5% | $62,097 | 5.2% |
| 1998-99 | 0.0% | $2,386 | 48.83% | $3,551 | $26,624 | 13.3% | $65,988 | 5.4% |
| 1999-00 | 0.0% | $2,386 | 62.36% | $3,874 | $27,958 | 13.9% | $68,053 | 5.7% |
| 2000-01 | 0.0% | $2,386 | 65.61% | $3,951 | $29,334 | 13.5% | *$69,890* | 5.7% |
| 2001-02 | 0.0% | $2,386 | 68.85% | $4,029 | *$30,097* | 13.4% | *$71,708* | 5.6% |

Notes:

Fees are for full-time Canadian students.
The Maximum Discretionary Component (MDC) is expressed as a percentage of the Formula Fee Rate.
Maximum Tuition Fee (MTF) = Formula Fee Rate * ( 1 + MDC ).
For 2000-01 and later, tuition was allowed to increase by 2% per year on average (non-compounding)
Partial deregulation of tuition fees began in 1996-97. For 1996-97 and thereafter, the MDC in this table represents the average, across ALL programs, allowed for each institution. Each institution has some flexibility to set tuition fee rates for individual programs above this MDC, as long as their institutional average, weighted by enrolment, does not exceed this MDC.
Average personal and family income are for Ontario.

Family Income is for Census Families. The term "census family" corresponds to what is commonly referred to as a "nuclear family" or "immediate family". In general, it consists of a married couple or common-law couple with or without children, or a lone-parent with a child or children; furthermore, each child does not have his or her own spouse or child living in the household.

Average Individual Income excludes those without income and military personnel.

Average personal income and average family income increased by CPI of 2.7% and 2.6% for 2000-01 and 2001-02

Sources:

Family Income — Statistics Canada, Income Division. Income Trends in Canada, 1980-1999
Personal Income — Statistics Canada, 13-213-PIB, Provincial Economic Accounts (1999, 2000)

FIGURE 5.1

MAXIMUM CHARGEABLE TUITION FEES
BACHELOR OF ARTS PROGRAM
ONTARIO UNIVERSITIES
COMPARED WITH AVERAGE PERSONAL AND FAMILY INCOME
1988-89 TO 2001-02

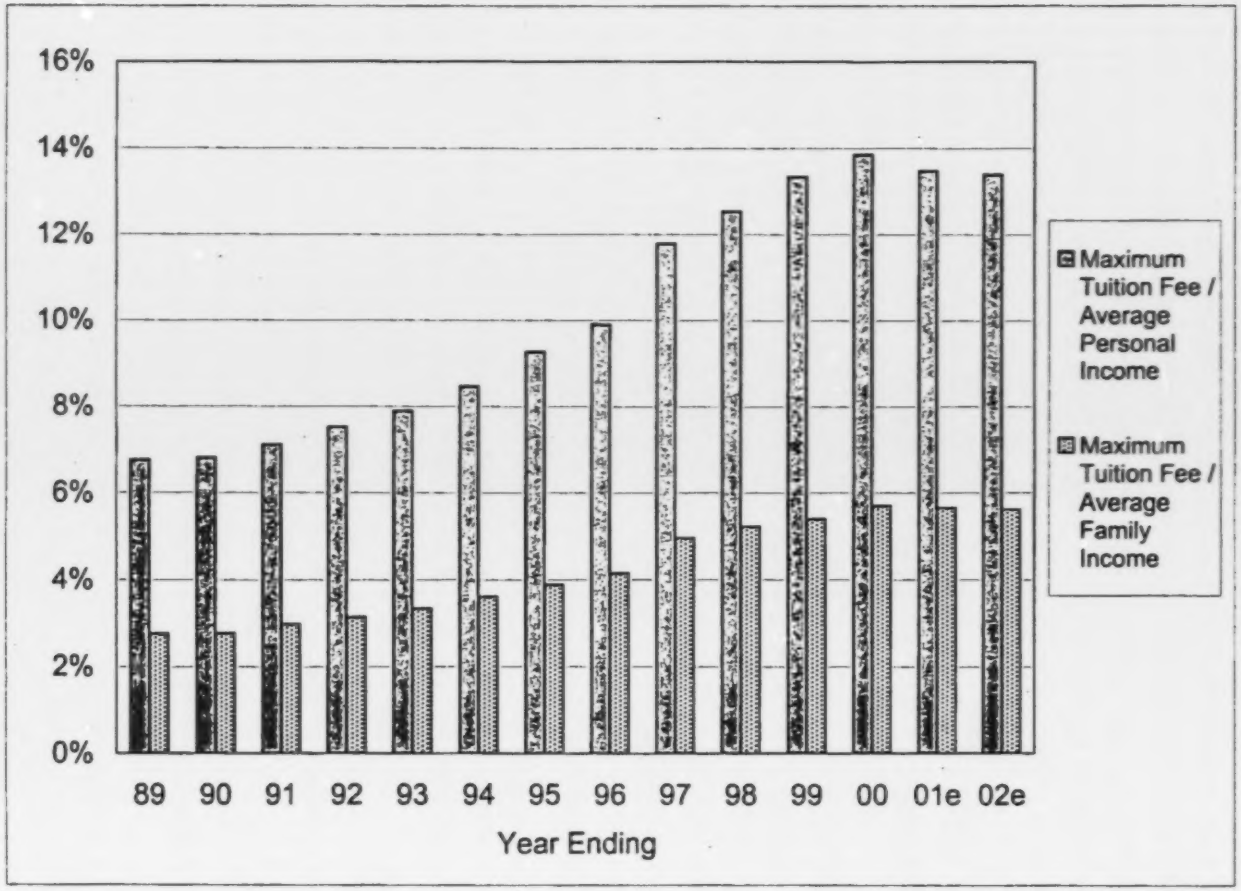


**TABLE 5.2**

**TUITION FEES**
**SELECTED PROGRAMS**
**ONTARIO UNIVERSITIES**
**1988-89 TO 2001-02**

| | Bachelor of Arts | | | Bachelor of Engineering | | | Master of Arts | | |
|---|---|---|---|---|---|---|---|---|---|
| | Min | Avg | Max | Min | Avg | Max | Min | Avg | Max |
| Actual Dollars | | | | | | | | | |
| 1988-89 | $1,243 | $1,397 | $1,415 | $1,243 | $1,541 | $2,069 | | | |
| 1989-90 | $1,516 | $1,517 | $1,520 | $1,516 | $1,673 | $2,234 | | | |
| 1990-91 | $1,637 | $1,639 | $1,640 | $1,638 | $1,807 | $2,396 | | | |
| 1991-92 | $1,767 | $1,770 | $1,770 | $1,769 | $1,950 | $2,570 | | | |
| 1992-93 | $1,892 | $1,894 | $1,895 | $1,893 | $2,083 | $2,718 | | | |
| 1993-94 | $2,024 | $2,026 | $2,027 | $2,026 | $2,229 | $2,908 | | | |
| 1994-95 | $2,170 | $2,225 | $2,228 | $2,228 | $2,452 | $3,196 | | | |
| 1995-96 | $2,450 | $2,451 | $2,452 | $2,418 | $2,626 | $2,690 | | | |
| 1996-97 | $2,816 | $2,920 | $2,986 | $2,935 | $3,138 | $3,238 | $3,408 | $4,190 | $4,422 |
| 1997-98 | $3,135 | $3,213 | $3,285 | $3,217 | $3,455 | $3,600 | $3,700 | $4,428 | $4,863 |
| 1998-99 | $3,320 | $3,495 | $3,554 | $3,550 | $3,786 | $3,990 | $4,070 | $4,562 | $5,009 |
| 1999-00 | $3,510 | $3,812 | $3,942 | $3,902 | $4,262 | $4,627 | $3,738 | $4,680 | $5,304 |
| 2000-01 | $3,720 | $3,919 | $4,020 | $4,150 | $4,631 | $5,500 | $3,921 | $4,775 | $5,304 |
| 2001-02 | $3,800 | $4,001 | $4,099 | $4,028 | $4,836 | $5,850 | $4,422 | $4,971 | $5,748 |
| Constant 2000-01 Dollars | | | | | | | | | |
| 1988-89 | $1,575 | $1,770 | $1,793 | $1,575 | $1,952 | $2,621 | | | |
| 1989-90 | $1,959 | $1,961 | $1,965 | $1,959 | $2,163 | $2,887 | | | |
| 1990-91 | $2,014 | $2,016 | $2,017 | $2,015 | $2,222 | $2,947 | | | |
| 1991-92 | $2,090 | $2,093 | $2,094 | $2,092 | $2,306 | $3,040 | | | |
| 1992-93 | $2,200 | $2,202 | $2,204 | $2,201 | $2,423 | $3,161 | | | |
| 1993-94 | $2,324 | $2,326 | $2,327 | $2,326 | $2,559 | $3,338 | | | |
| 1994-95 | $2,477 | $2,539 | $2,543 | $2,543 | $2,798 | $3,648 | | | |
| 1995-96 | $2,740 | $2,741 | $2,742 | $2,704 | $2,937 | $3,009 | | | |
| 1996-97 | $3,093 | $3,207 | $3,280 | $3,224 | $3,447 | $3,557 | $3,744 | $4,603 | $4,858 |
| 1997-98 | $3,402 | $3,487 | $3,565 | $3,491 | $3,750 | $3,907 | $4,015 | $4,806 | $5,278 |
| 1998-99 | $3,567 | $3,755 | $3,818 | $3,814 | $4,068 | $4,287 | $4,372 | $4,901 | $5,381 |
| 1999-00 | $3,690 | $4,007 | $4,144 | $4,102 | $4,480 | $4,864 | $3,929 | $4,920 | $5,575 |
| 2000-01 | $3,804 | $4,008 | $4,111 | $4,244 | $4,736 | $5,625 | $4,010 | $4,883 | $5,424 |
| 2001-02 | $3,800 | $4,001 | $4,099 | $4,028 | $4,836 | $5,850 | $4,422 | $4,971 | $5,748 |

Notes: Minimum, average, and maximum tuition fees are taken across all Ontario universities that offer the program. Fees are for full-time Canadian students. Average columns are not weighted by enrolment of individual institutions. University of Waterloo BEng tuition fee includes coop fee for 1989-90 through 1994-95, and excludes co-op fee for 1995-96 onwards. Excludes ancillary fees.

Sources: COU Annual Fee Survey Report.

**FIGURE 5.2**

**TUITION FEES**
**SELECTED PROGRAMS**
**ONTARIO UNIVERSITIES**
**1988-89 TO 2001-02**

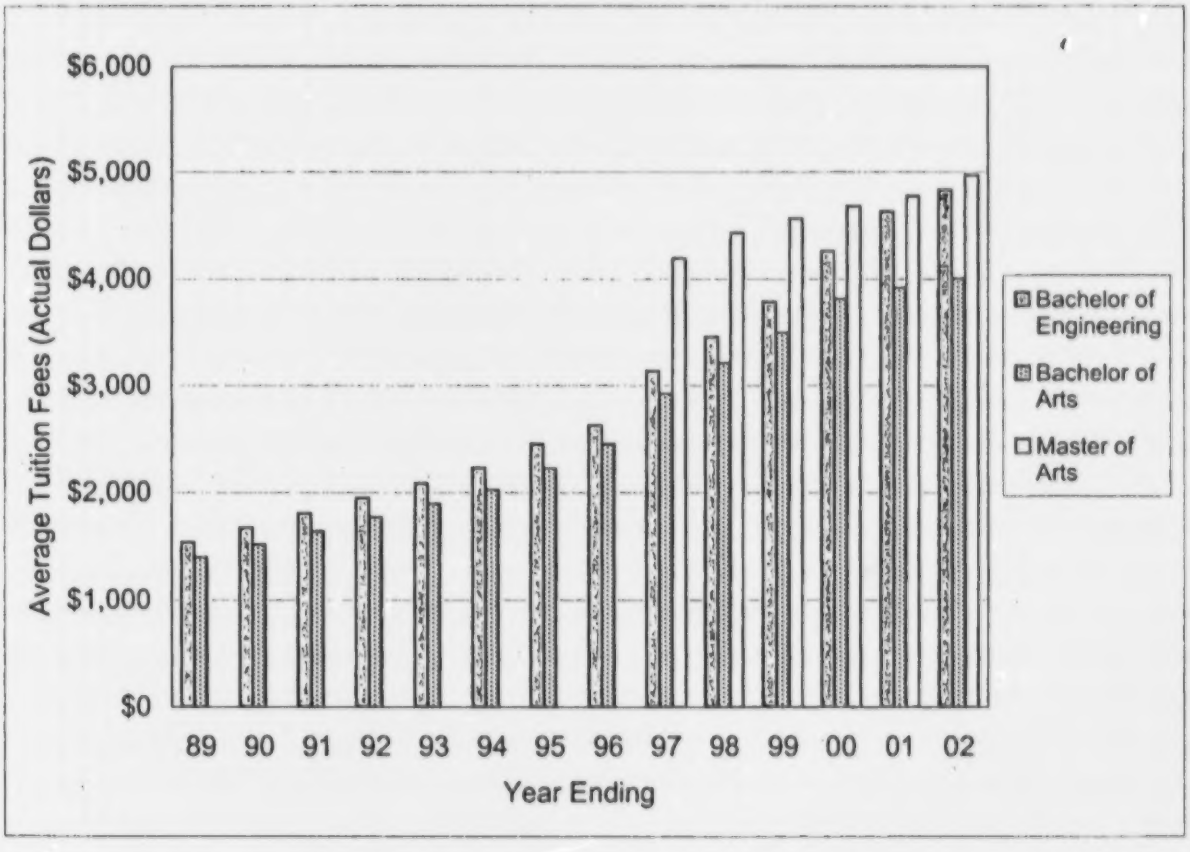


**TABLE 5.3**

**TUITION FEES**
**BACHELOR OF ARTS PROGRAM**
**SELECTED CANADIAN UNIVERSITIES**
**COMPARED TO AVERAGE PERSONAL INCOME**
**1989-90 AND 2001-02**

| Province | Institution | Tuition Fees 1989-90 | Tuition Fees 2001-02 | Increase | 2000 Provincial Average Personal Income | 2001-02 Tuition / Average Personal Income |
|---|---|---|---|---|---|---|
| Newfoundland | Memorial University | $1,280 | $2,970 | 132% | 21,026 | 14.1% |
| PEI | University of PEI | $1,720 | $3,690 | 115% | 21,746 | 17.0% |
| Nova Scotia | Dalhousie University | $1,710 | $4,500 | 163% | 23,787 | 18.9% |
| New Brunswick | University of New Brunswick | $1,875 | $3,945 | 110% | 23,132 | 17.1% |
| Quebec | Concordia University | $450 | $1,668 | 271% | | |
| | Universite Laval | $550 | $1,668 | 203% | | |
| | McGill University | $570 | $1,668 | 193% | | |
| | Universite de Montreal | $540 | $1,668 | 209% | | |
| | Universite de Quebec | $500 | $1,668 | 234% | | |
| | Universite de Sherbrooke | $470 | $1,668 | 255% | | |
| | 6-University Average | $513 | $1,668 | 225% | 25,067 | 6.7% |
| Ontario | Carleton University | $1,517 | $3,990 | 163% | | |
| | University of Guelph | $1,518 | $4,029 | 165% | | |
| | McMaster University | $1,516 | $3,932 | 159% | | |
| | University of Ottawa | $1,517 | $4,009 | 164% | | |
| | Queen's University | $1,517 | $4,030 | 166% | | |
| | University of Toronto | $1,520 | $4,029 | 165% | | |
| | University of Waterloo | $1,518 | $4,030 | 165% | | |
| | University of Western Ontario | $1,517 | $4,000 | 164% | | |
| | York University | $1,517 | $4,028 | 166% | | |
| | 9-University Average | $1,517 | $4,009 | 164% | 30,097 | 13.3% |
| Manitoba | University of Manitoba | $1,332 | $2,807 | 111% | 25,058 | 11.2% |
| Saskatchewan | University of Saskatchewan | $1,344 | $3,793 | 182% | 23,024 | 16.5% |
| Alberta | University of Alberta | $1,069 | $3,890 | 264% | | |
| | University of Calgary | $1,016 | $3,975 | 291% | | |
| | 2-University Average | $1,043 | $3,933 | 277% | 28,968 | 13.6% |
| British Columbia | University of British Columbia | $1,605 | $2,181 | 36% | | |
| | Simon Fraser University | $1,560 | $2,190 | 40% | | |
| | University of Victoria | $1,545 | $2,265 | 47% | | |
| | 3-University Average | $1,570 | $2,212 | 41% | 26,152 | 8.5% |

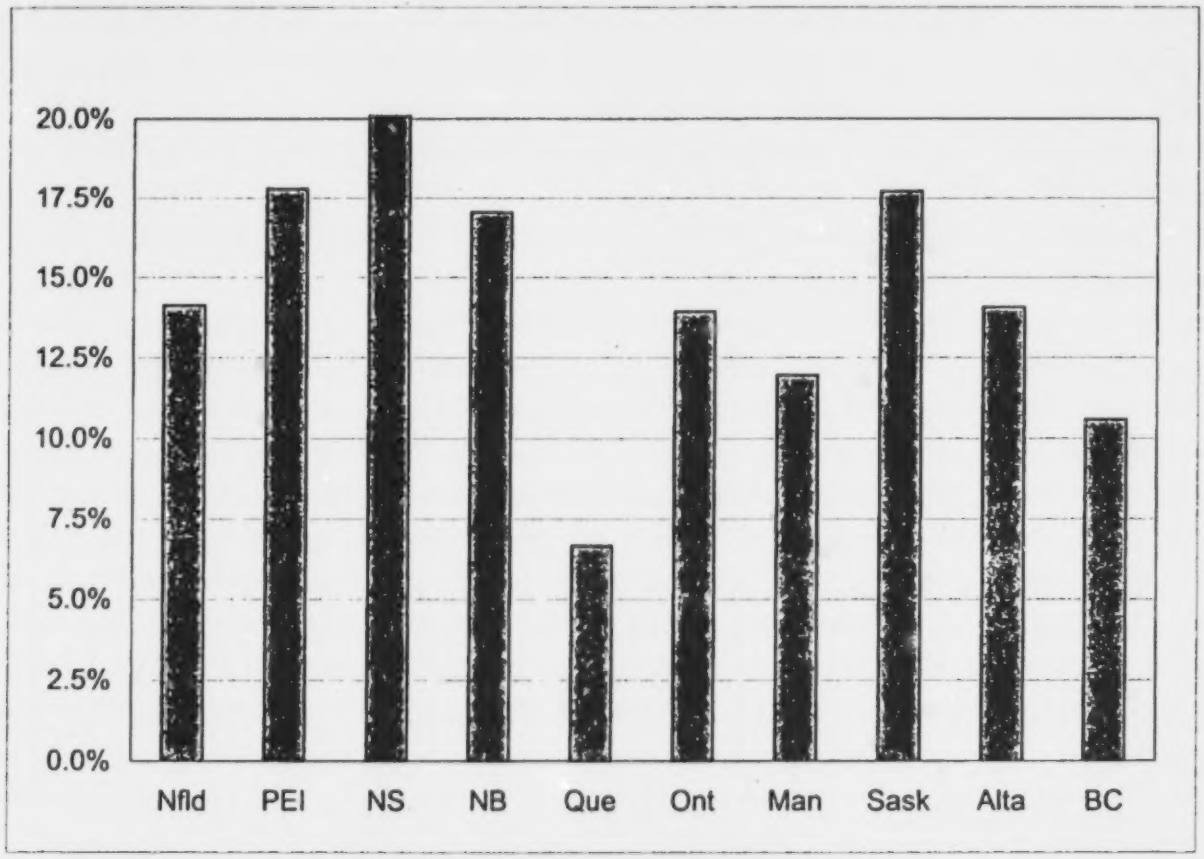
Notes:
Fees are for full-time Canadian students.
Average rows are not weighted by enrolment of individual institutions.
Universities are selected according to the following criteria:
- at least one university from each province,
- all universities with 500 or more full-time teaching staff in 1996-97.
Provincial average personal income data is for 1998-99.

Sources:
Tuition: Tuition and Living Accomodation Costs at Canadian Universities, 2001-02, Statistics Canada.
Personal Income: see Resource Document, Table 5.1.

BEST COPY AVAILABLE

**FIGURE 5.3**

**TUITION FEES**
**BACHELOR OF ARTS PROGRAM**
**SELECTED CANADIAN UNIVERSITIES**
**COMPARED WITH AVERAGE PERSONAL INCOME**
**2001-02**




Note: Average Personal Income is for 2000; tuition is for 2001-02

**TABLE 5.4**

**TUITION PLUS REQUIRED FEES**
**RESEARCH AND DOCTORAL LEVEL UNIVERSITIES**
**ONTARIO AND AMERICAN GREAT LAKES STATES**
**COMPARED TO AVERAGE PERSONAL INCOME**
**2001-02**

| | Tuition + Required Fees | | | 2001 Average Personal Income | Avg Tuition + Reqd Fees / Avg Pers Inc |
|---|---|---|---|---|---|
| | Min | Avg | Max | | |
| Ontario Universities | $4,173 | $4,303 | $4,526 | *$30,097* | 14.3% |
| Great Lakes States - Public Universities | | | | | |
| Illinois | $4,254 | $4,784 | $5,754 | $32,755 | 14.6% |
| Indiana | $3,794 | $4,303 | $4,790 | $27,532 | 15.6% |
| Michigan | $4,330 | $5,456 | $6,935 | $29,538 | 18.5% |
| Minnesota | $5,536 | $5,536 | $5,536 | $32,791 | 16.9% |
| New York | $3,795 | $4,426 | $4,800 | $35,884 | 12.3% |
| Ohio | $4,464 | $5,293 | $6,981 | $28,619 | 18.5% |
| Pennsylvania | $4,875 | $6,670 | $7,482 | $30,617 | 21.8% |
| Wisconsin | $4,086 | $4,272 | $4,457 | $28,911 | 14.8% |
| Total | $3,794 | $5,092 | $7,482 | $30,831 | 16.5% |
| Great Lakes States - Private Universities | | | | | |
| Illinois | $16,695 | $21,431 | $26,475 | $32,755 | 65.4% |
| Indiana | $24,497 | $24,497 | $24,497 | $27,532 | 89.0% |
| Michigan | $13,676 | $14,988 | $16,300 | $29,538 | 50.7% |
| New York | $15,722 | $22,015 | $26,062 | $35,884 | 61.3% |
| Ohio | $8,640 | $14,904 | $21,168 | $28,619 | 52.1% |
| Pennsylvania | $17,478 | $22,816 | $26,630 | $30,617 | 74.5% |
| Wisconsin | $18,482 | $18,482 | $18,482 | $28,911 | 63.9% |
| Total | $8,640 | $19,876 | $26,630 | $30,551 | 65.1% |

Notes:

All Ontario data in $Cdn, all US data in $US.
Ontario: full-time Bachelor of Arts tuition + compulsory ancillary fees retained by institution.
US: full-time undergraduate in-state tuition + required fees.
Average tuition fees column is not weighted by enrolment of individual universities.
"Total" row for is average tuition fees not weighted by number of universities in each state.
"Total" row for average personal income is not weighted by population of each state.
Minnesota does not have any research or doctoral level private universities.

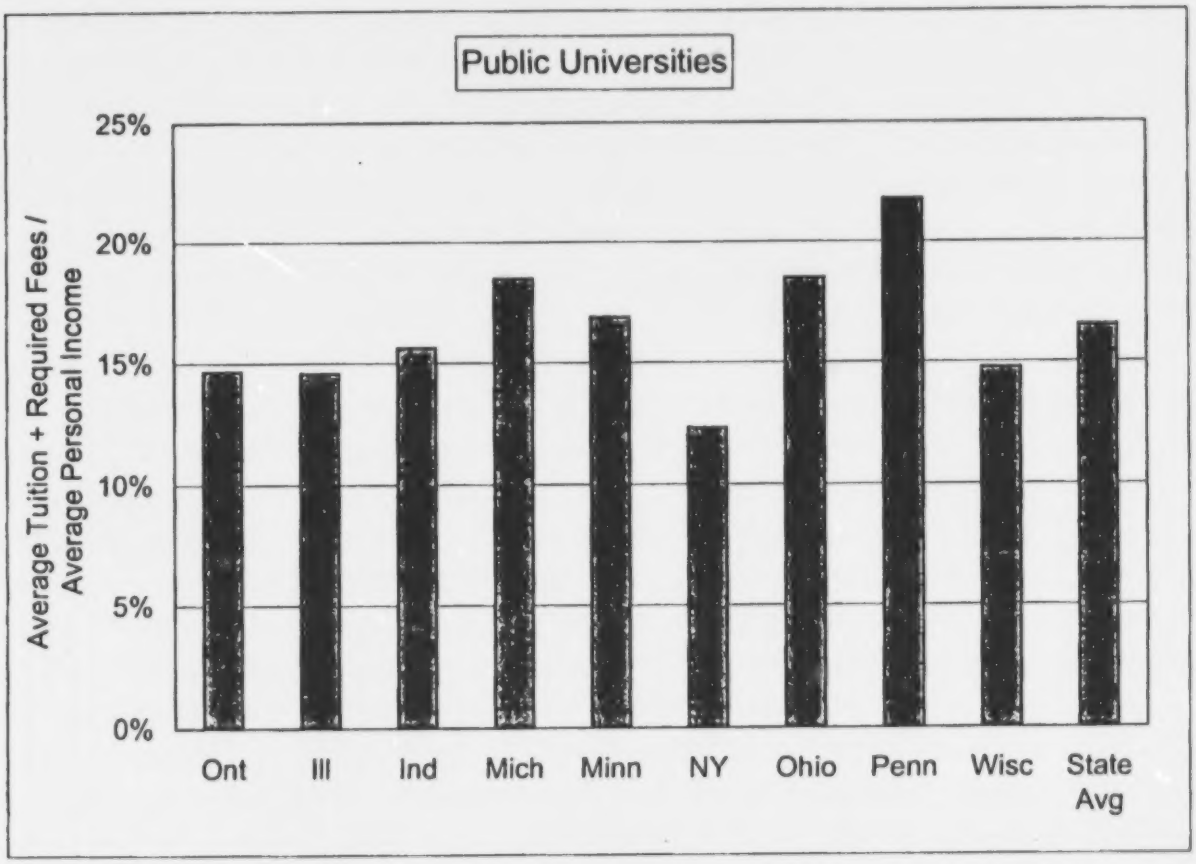
Sources:

Ontario tuition - Council of Ontario Universities.
USA tuition - Chronicle of Higher Education website
http://chronicle.com/stats/tuition/

Ontario personal income - see Resource Document, Table 5.1.
USA personal income - U.S. Bureau of Economic Analysis
http://www.bea.doc.gov/bea/regional/spi/

FIGURE 5.4

TUITION PLUS REQUIRED FEES
RESEARCH AND DOCTORAL LEVEL UNIVERSITIES
ONTARIO AND AMERICAN GREAT LAKES STATES
COMPARED WITH AVERAGE PERSONAL INCOME
2001-02



# Section 6

# Student Financial Assistance

**TABLE 6.1**

**ONTARIO STUDENT ASSISTANCE PROGRAM (OSAP)**
**ONTARIO GOVERNMENT STUDENT SUPPORT PROGRAM**
**1987-88 TO 2001-02**

| | | Actual $ | Index of Actual $ | Constant $ 2001-01 | Index of Constant $ 2001-02 |
|---|---|---|---|---|---|
| 1987-88 | | $181,220,191 | 100.0 | $256,911,433 | 100.0 |
| 1988-89 | | $185,163,933 | 102.2 | $252,124,379 | 98.1 |
| 1989-90 | | $188,731,975 | 104.1 | $243,935,036 | 94.9 |
| 1990-91 | | $203,434,746 | 112.3 | $250,233,285 | 97.4 |
| 1991-92 | | $270,188,715 | 149.1 | $319,586,854 | 124.4 |
| 1992-93 | | $327,021,357 | 180.5 | $380,280,049 | 148.0 |
| 1993-94 | (1) | $101,413,273 | 56.0 | $116,426,414 | 45.3 |
| 1994-95 | | $139,711,970 | 77.1 | $159,456,839 | 62.1 |
| 1995-96 | | $230,548,001 | 127.2 | $257,852,635 | 100.4 |
| 1996-97 | (2) | $327,704,527 | 180.8 | $359,983,115 | 140.1 |
| 1997-98 | | $524,051,334 | 289.2 | $568,734,117 | 221.4 |
| 1998-99 | | $629,770,777 | 347.5 | $676,570,257 | 263.3 |
| 1999-00 | (3) | $867,806,943 | 478.9 | $912,209,991 | 355.1 |
| 2000-01 | (4) | $571,734,354 | 315.5 | $584,206,744 | 227.4 |
| *2001-02(e)* | | *$504,144,500* | *278.2* | *$504,144,500* | *196.2* |

Notes:

(1) Policy change to discontinue grants began in 1993-94.

(2) Ontario Student Opportunity Trust Fund began in 1996-97, but is excluded from this table. The government's commitment to OSOTF was $39M in 1996-97, $110M in 1997-98, $90M in 1998-99, $56M in 1999-00 and $6 million in 2000-01.

(3) The increase in 1999-00 was mostly caused by the addition of $100 million in Millenium Foundation grants and the introduction of the Ontario Student Opportunity Grant.

(4) The $300 million decrease in 2000-01 was caused by:
   a. approximately $200 million due to the winding down of the loan forgiveness program that pertained only to loans issued between 1993-94 and 1997-98.
   b. $100 million because the Millenium Foundation grants were paid directly to students

- Figures include OSAP support for students in all three sectors: universities, colleges, and private vocational schools.

Sources: Public Accounts of Ontario, 1987-88 to 2000-01.
*Expenditure Estimates of Ontario, 2001-02.*

**FIGURE 6.1**

**ONTARIO STUDENT ASSISTANCE PROGRAM (OSAP)**
**ONTARIO GOVERNMENT STUDENT SUPPORT PROGRAM**
**1987-88 TO 2001-02**

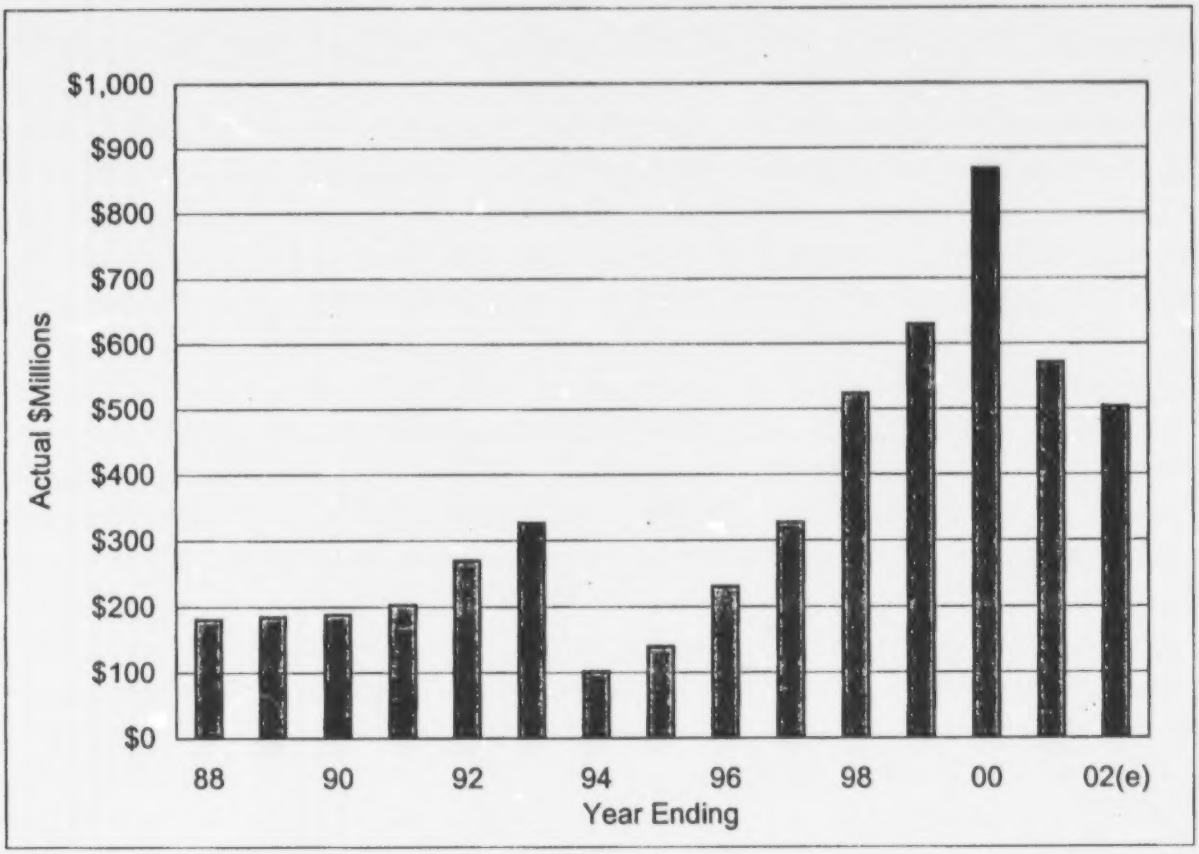


**TABLE 6.2**

**SCHOLARSHIPS AND BURSARIES**
**COMPARED TO TOTAL UNIVERSITY EXPENDITURES AND ENROLMENT**
**ONTARIO UNIVERSITIES**
**1987-88 TO 2000-01**

| | Scholarships and Bursaries | | Total University Expenditures | | | FTE Enrolment | | Scholarships & Bursaries / FTE Enrolment | |
|---|---|---|---|---|---|---|---|---|---|
| | $000s | Index | $000s | Index | Schol & Burs / Tot Univ Exp | Enrolment | Index | $ | Index |
| 1987-88 | $44,808 | 100.0 | $2,797,926 | 100.0 | 1.60% | 221,446 | 100.0 | $202 | 100.0 |
| 1988-89 | $45,378 | 101.3 | $3,060,102 | 109.4 | 1.48% | 230,357 | 104.0 | $197 | 97.4 |
| 1989-90 | $51,090 | 114.0 | $3,386,936 | 121.1 | 1.51% | 237,752 | 107.4 | $215 | 106.2 |
| 1990-91 | $58,636 | 130.9 | $3,814,463 | 136.3 | 1.54% | 246,628 | 111.4 | $238 | 117.5 |
| 1991-92 | $63,493 | 141.7 | $4,106,965 | 146.8 | 1.55% | 256,592 | 115.9 | $247 | 122.3 |
| 1992-93 | $71,036 | 158.5 | $4,135,034 | 147.8 | 1.72% | 261,380 | 118.0 | $272 | 134.3 |
| 1993-94 | $76,700 | 171.2 | $4,246,101 | 151.8 | 1.81% | 259,346 | 117.1 | $296 | 146.2 |
| 1994-95 | $86,232 | 192.4 | $4,239,880 | 151.5 | 2.03% | 256,753 | 115.9 | $336 | 166.0 |
| 1995-96 | $92,797 | 207.1 | $4,254,001 | 152.0 | 2.18% | 253,545 | 114.5 | $366 | 180.9 |
| 1996-97 | $101,888 | 227.4 | $4,200,916 | 150.1 | 2.43% | 249,294 | 112.6 | $409 | 202.0 |
| 1997-98 | $126,928 | 283.3 | $4,351,437 | 155.5 | 2.92% | 248,441 | 112.2 | $511 | 252.5 |
| 1998-99 | $169,326 | 377.9 | $4,684,533 | 167.4 | 3.61% | 249,984 | 112.9 | $677 | 334.8 |
| 1999-00 | $228,456 | 509.9 | $5,148,459 | 184.0 | 4.44% | 257,895 | 116.5 | $886 | 437.8 |
| 2000-01 | $278,005 | 620.4 | $5,786,258 | 206.8 | 4.80% | 263,989 | 119.2 | $1,053 | 520.4 |

Notes: Financial data: includes general + restricted funds, and affiliated and federated colleges.
FTE Enrolment: COU estimate of Fall, eligible + ineligible, undergraduate + graduate, full-time equivalent enrolment (See Appendix A).

Sources: Financial data: COFO-UO, Financial Report of Ontario Universities.
Full-time and part-time enrolment: Ministry of Training, Colleges and Universities.

FIGURE 6.2

SCHOLARSHIPS AND BURSARIES
COMPARED TO TOTAL UNIVERSITY EXPENDITURES AND ENROLMENT
ONTARIO UNIVERSITIES
1987-88 TO 2000-01

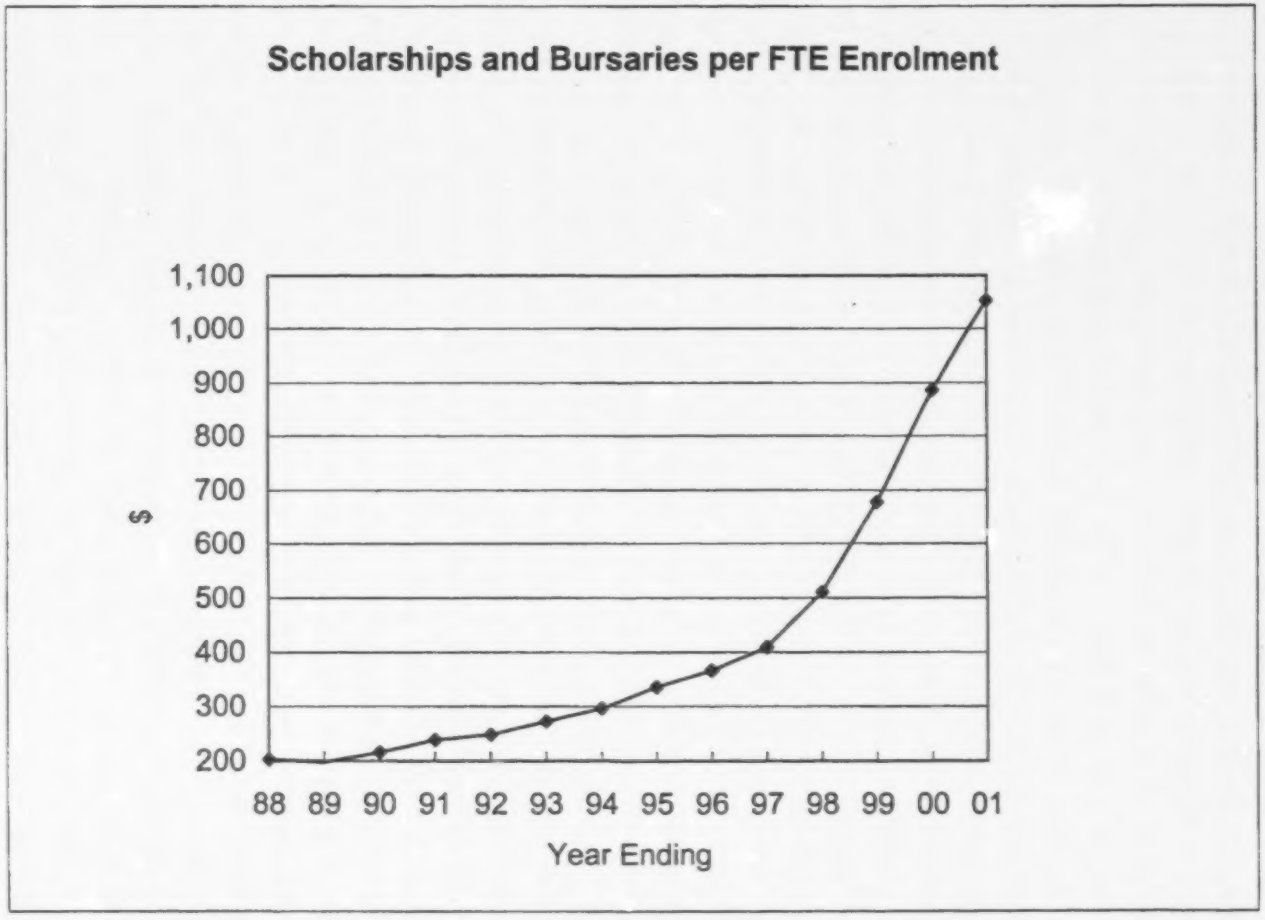


**TABLE 6.3**

**ONTARIO STUDENT ASSISTANCE PROGRAM (OSAP)**
**LOAN DEFAULT RATES BY SECTOR**
**1996 TO 2001**

| | Loans Issued (#) | | | | | | Loans in Default (#) | | | | | | Default Rates (%) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1993-94 | 1994-95 | 1995-96 | 1996-97 | 1997-98 | 1998-99 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 |
| University | 26,198 | 33,101 | 34,579 | 33,802 | 30,218 | 25,110 | 3,024 | 4,595 | 4,237 | 2,855 | 2,140 | 1,851 | 11.5% | 13.9% | 12.3% | 8.4% | 7.1% | 7.4% |
| College | 26,281 | 34,237 | 36,722 | 35,559 | 31,567 | 27,373 | 5,596 | 9,410 | 9,315 | 7,132 | 5,419 | 4,793 | 21.3% | 27.5% | 25.4% | 20.1% | 17.2% | 17.5% |
| PVS | 9,580 | 12,049 | 18,552 | 21,453 | 16,783 | 13,463 | 2,913 | 4,635 | 6,408 | 6,648 | 4,844 | 3,598 | 30.4% | 38.5% | 34.5% | 31.0% | 28.9% | 26.7% |
| Other | n.a. | n.a. | 922 | 922 | 826 | 712 | n.a. | n.a. | 109 | 73 | 53 | 51 | n.a. | n.a. | 11.8% | 7.9% | 6.4% | 7.2% |
| Total | 62,059 | 79,387 | 90,775 | 91,736 | 79,394 | 66,658 | 11,533 | 18,640 | 20,069 | 16,708 | 12,456 | 10,293 | 18.6% | 23.5% | 22.1% | 18.2% | 15.7% | 15.4% |

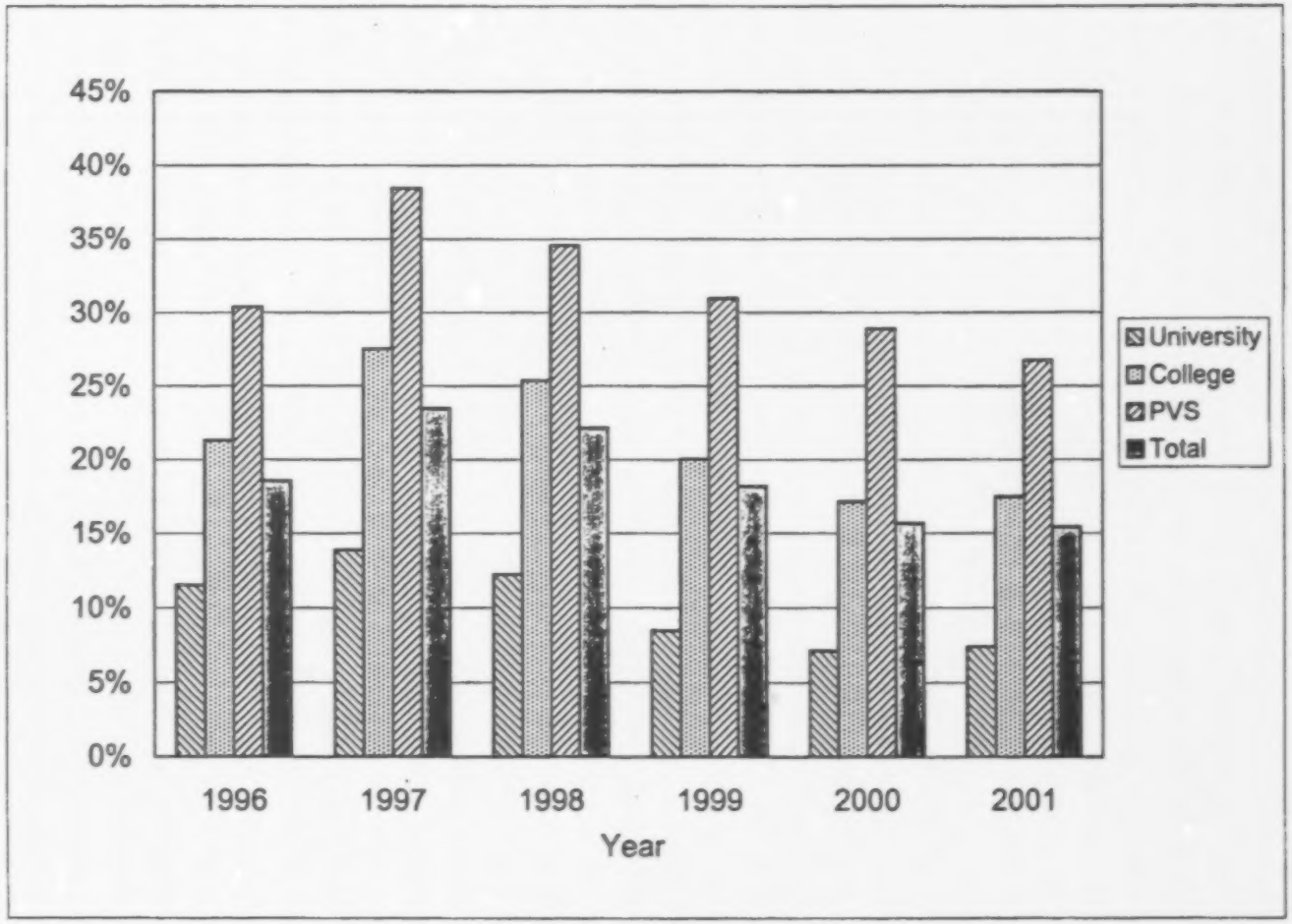
Notes:

| | |
|---|---|
| PVS | Private Vocational School |
| Other | Other private and public postsecondary institutions in Ontario |
| Loans Issued | Number of Ontario Student Loan (OSL) recipients in year specified who were not OSL recipients in the following year |
| Loans in Default | Loan recipients in year beginning 3 years earlier (as defined in Loans Issued) who defaulted as of July of the year specified |

Source: Ministry of Training, Colleges and Universities

FIGURE 6.3

ONTARIO STUDENT ASSISTANCE PROGRAM (OSAP)
LOAN DEFAULT RATES BY SECTOR
1996 TO 2001



# Section 7

# University Infrastructure

## TABLE 7.1

## LIBRARY EXPENDITURES AND RELATED COMPARISONS ONTARIO UNIVERSITIES 1987-88 TO 2000-01

| | Expenses in $000s | | | | Indices | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Library Acquisitions | Total Library | University Operating | FTE Enrolment | Library Acquisitions Expenses | Total Library Expenses | University Operating Expenses | FTE Enrolment | Price of Books and Periodicals |
| 1987-88 | $41,809 | $133,885 | $1,875,083 | 221,446 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 1988-89 | $45,350 | $139,689 | $2,003,870 | 230,357 | 108.5 | 104.3 | 106.9 | 104.0 | 100.5 |
| 1989-90 | $48,030 | $151,607 | $2,185,521 | 237,752 | 114.9 | 113.2 | 116.6 | 107.4 | 104.9 |
| 1990-91 | $51,025 | $163,992 | $2,410,120 | 246,628 | 122.0 | 122.5 | 128.5 | 111.4 | 110.0 |
| 1991-92 | $54,819 | $179,219 | $2,624,409 | 256,592 | 131.1 | 133.9 | 140.0 | 115.9 | 118.9 |
| 1992-93 | $58,083 | $189,811 | $2,718,337 | 261,380 | 138.9 | 141.8 | 145.0 | 118.0 | 137.2 |
| 1993-94 | $59,908 | $188,135 | $2,669,676 | 259,346 | 143.3 | 140.5 | 142.4 | 117.1 | 137.3 |
| 1994-95 | $63,900 | $189,234 | $2,697,232 | 256,753 | 152.8 | 141.3 | 143.8 | 115.9 | 165.6 |
| 1995-96 | $69,332 | $195,808 | $2,714,639 | 253,545 | 165.8 | 146.3 | 144.8 | 114.5 | 177.4 |
| 1996-97 | $73,949 | $192,106 | $2,643,895 | 249,294 | 176.9 | 143.5 | 141.0 | 112.6 | 194.0 |
| 1997-98 | $75,181 | $192,152 | $2,696,529 | 248,441 | 179.8 | 143.5 | 143.8 | 112.2 | 212.7 |
| 1998-99 | $81,568 | $203,919 | $2,931,432 | 249,984 | 195.1 | 152.3 | 156.3 | 112.9 | 208.4 |
| 1999-00 | $83,890 | $208,275 | $3,192,719 | 257,895 | 200.7 | 155.6 | 170.3 | 116.5 | 216.9 |
| 2000-01 | $83,482 | $210,806 | $3,357,730 | 263,989 | 199.7 | 157.5 | 179.1 | 119.2 | 232.5 |

Notes: Affiliated and federated colleges included. Expenditures from general operating funds.
FTE Enrolment: COU estimate of Fall, eligible + ineligible, undergraduate + graduate, full-time equivalent enrolment (see Appendix A).

The library component of the OUNSPI index was revised in 2002 to include additional sub-indices and to change the source for periodical information. For 1999 and 2000 a weighted average of the price changes indicated by the new methodology was applied to the old library acquisition series. The year 1999-00 was revised from last year to reflect changes. The1999-00 and 2000-01 OUNSPI numbers are still considered preliminary.

Sources: Expenditures: COFO-UO, Financial Report of Ontario Universities.
Full-time and part-time enrolment: Ministry of Training, Colleges and Universities.
Price of Books and Periodicals: Resource Document, Appendix E.

FIGURE 7.1

LIBRARY EXPENDITURES
AND RELATED COMPARISONS
ONTARIO UNIVERSITIES
1987-88 TO 2000-01

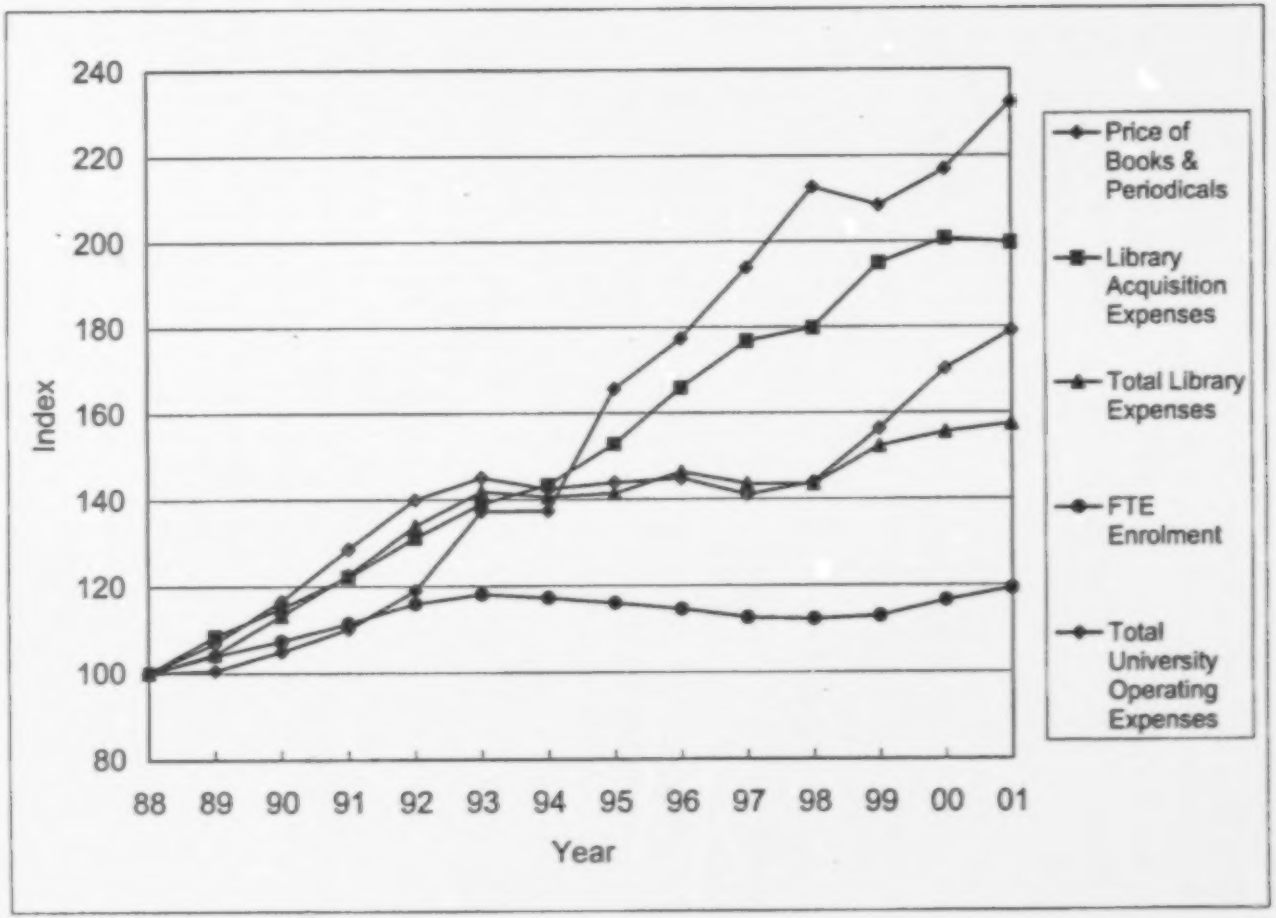


TABLE 7.2

**MINISTRY OF TRAINING, COLLEGES AND UNIVERSITIES CAPITAL FUNDING COMPARED TO CAPITAL EXPENDITURES AT ONTARIO UNIVERSITIES 1987-88 TO 2000-01**

| | MTCU Capital Funding ($000s) | | University Capital Expenditures ($000s) | | | | | | | | MTCU Share of University Capital Expenses |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Buildings, Land and Site Services | | | Renovations & Alterations | | | Total | | |
| | Actual $ | Constant $ | Actual $ | Constant $ | % | Actual $ | Constant $ | % | Actual $ | Constant $ | |
| 1987-88 | $60,653 | $78,997 | $65,353 | $85,118 | 63.2% | $37,988 | $49,477 | 36.8% | $103,341 | $134,595 | 58.7% |
| 1988-89 | $72,700 | $89,785 | $82,205 | $101,524 | 63.3% | $47,757 | $58,980 | 36.7% | $129,962 | $160,504 | 55.9% |
| 1989-90 | $77,700 | $92,773 | $125,189 | $149,475 | 73.3% | $45,597 | $54,443 | 26.7% | $170,786 | $203,918 | 45.5% |
| 1990-91 | $77,700 | $90,562 | $185,001 | $215,625 | 69.1% | $82,826 | $96,536 | 30.9% | $267,827 | $312,161 | 29.0% |
| 1991-92 | $124,557 | $148,081 | $187,081 | $222,413 | 65.4% | $99,039 | $117,743 | 34.6% | $286,120 | $340,156 | 43.5% |
| 1992-93 | $83,967 | $100,358 | $97,485 | $116,514 | 62.4% | $58,766 | $70,237 | 37.6% | $156,251 | $186,752 | 53.7% |
| 1993-94 | $72,065 | $84,660 | $115,346 | $135,507 | 63.5% | $66,301 | $77,889 | 36.5% | $181,647 | $213,396 | 39.7% |
| 1994-95 | $39,844 | $45,324 | $69,700 | $79,287 | 57.8% | $50,984 | $57,996 | 42.2% | $120,684 | $137,283 | 33.0% |
| 1995-96 | $51,466 | $56,791 | $53,187 | $58,690 | 42.5% | $71,934 | $79,377 | 57.5% | $125,121 | $138,067 | 41.1% |
| 1996-97 | $33,871 | $36,891 | $55,334 | $60,269 | 52.8% | $49,417 | $53,824 | 47.2% | $104,751 | $114,094 | 32.3% |
| 1997-98 | $36,932 | $39,278 | $49,265 | $52,395 | 42.5% | $66,644 | $70,878 | 57.5% | $115,909 | $123,273 | 31.9% |
| 1998-99 | $35,440 | $37,027 | $84,102 | $87,867 | 51.9% | $77,853 | $81,339 | 48.1% | $161,955 | $169,206 | 21.9% |
| 1999-00 | $604,838 | $621,924 | $84,014 | $86,387 | 38.2% | $136,198 | $140,045 | 61.8% | $220,212 | $226,433 | 274.7% |
| 2000-01 | $94,108 | $94,108 | $194,818 | $194,818 | 51.0% | $186,884 | $186,884 | 49.0% | $381,702 | $381,702 | 24.7% |
| | | | | | | | | | Mean 87/88 to 00/01 = | | 56.1% |

Notes: Expenditures: General plus restricted funds. Excludes ancillary funds. Includes affiliated and federated colleges.
Constant dollars are expressed in terms of 2000-01 dollars based on OUNSPI Renovation index.
MTCU share can be over 100% because the related expenses may be realized over several years.
Mean MTCU share of university capital expenses is unweighted.

Sources: Funding: Ministry of Training, Colleges and Universities, Universities Branch.
Expenditures: COFO-UO, Financial Report of Ontario Universities.

FIGURE 7.2

MINISTRY OF TRAINING, COLLEGES AND UNIVERSITIES CAPITAL FUNDING
COMPARED TO CAPITAL EXPENDITURES AT
ONTARIO UNIVERSITIES
1987-88 TO 2000-01

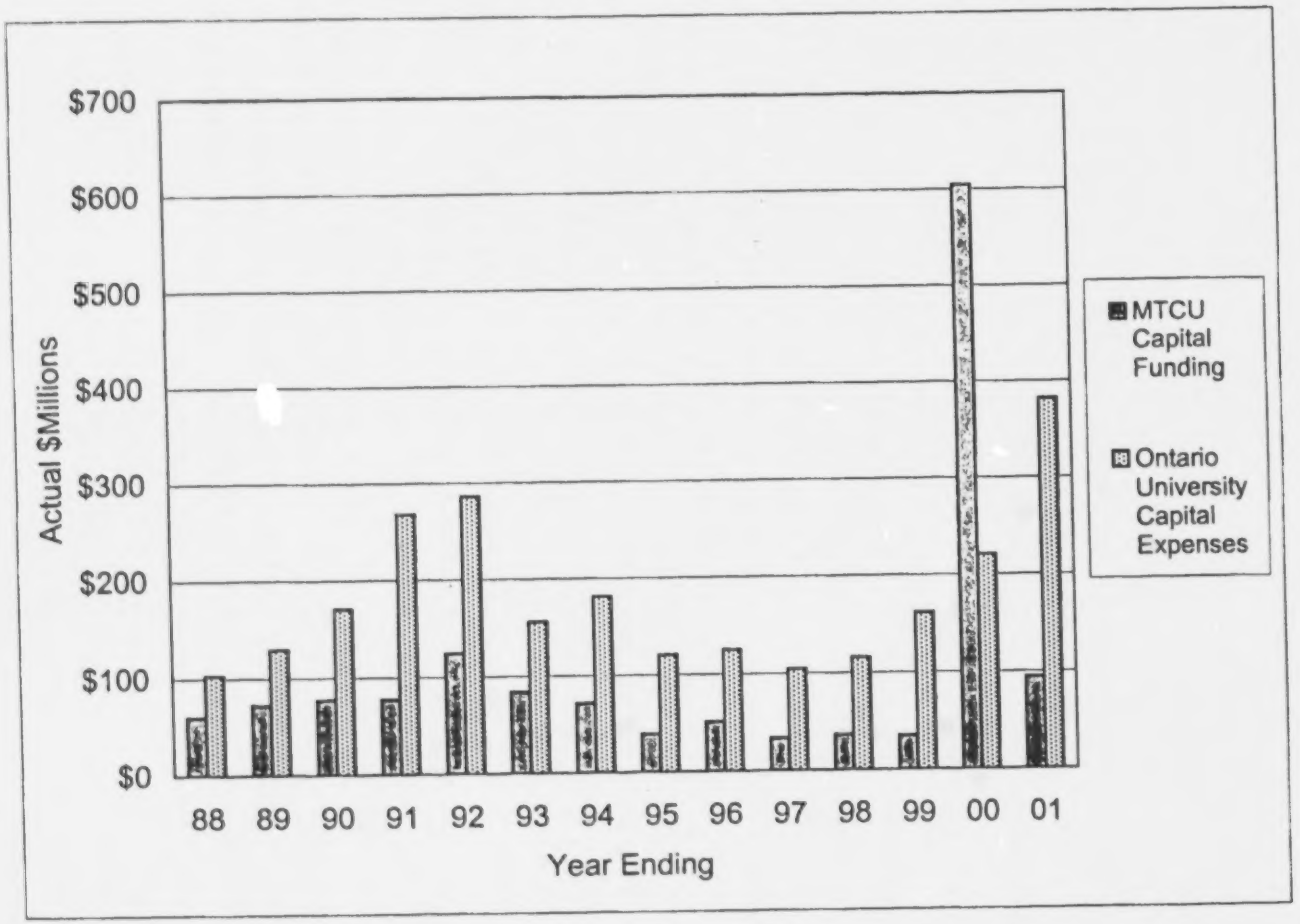


**TABLE 7.3**

**UNIVERSITY CAPITAL EXPENDITURES**
**PER FTE ENROLMENT**
**PROVINCIAL COMPARISON**
**1988-89 TO 1999-00**

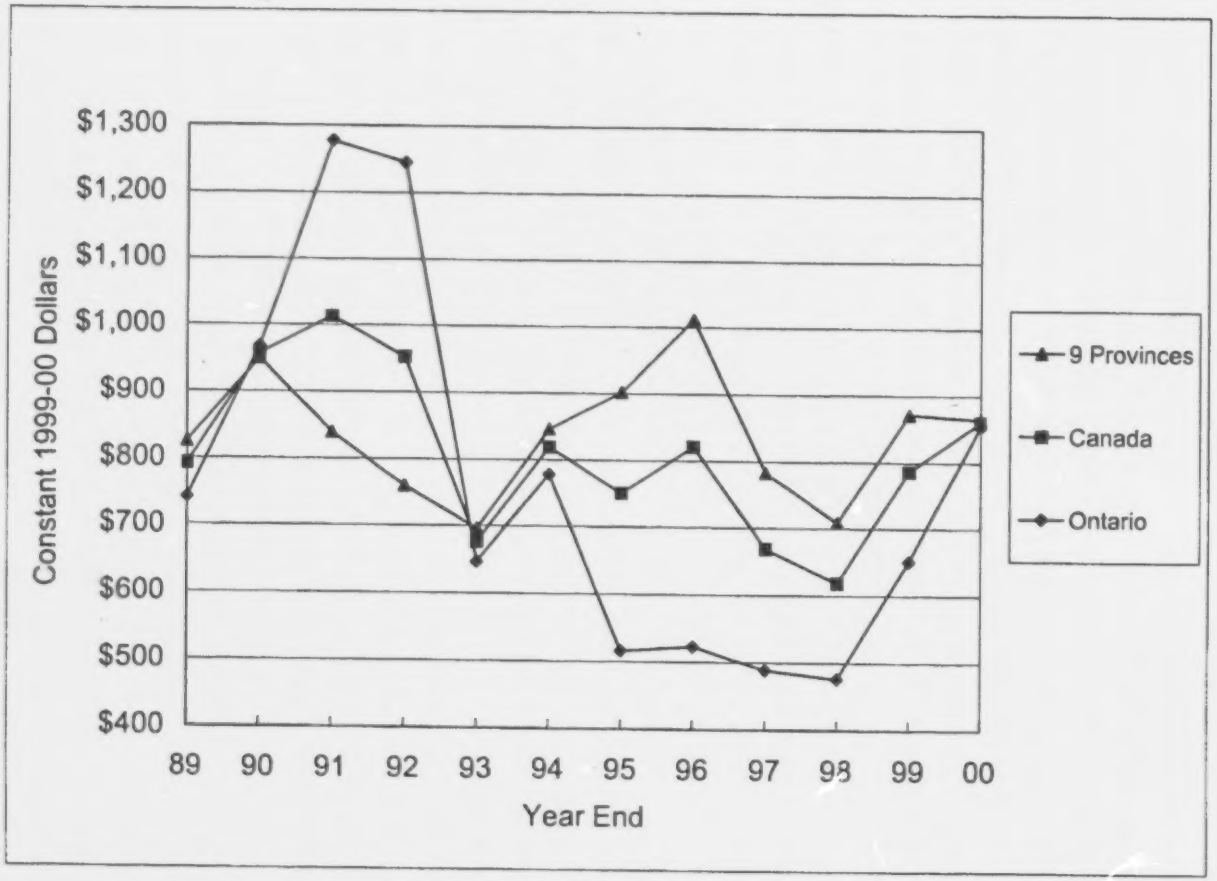
| | Constant 1998-99 Dollars | | | | | | | | | | | | 10-Year | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1988-89 | 1989-90 | 1990-91 | 1991-92 | 1992-93 | 1993-94 | 1994-95 | 1995-96 | 1996-97 | 1997-98 | 1998-99 | 1999-00 | Average | Rank |
| Newfoundland | $2,102 | $867 | $727 | $1,124 | $697 | $326 | $704 | $545 | $376 | $573 | $261 | $1,177 | $651 | (8) |
| P.E.I. | $1,539 | $2,789 | $701 | $184 | $521 | $56 | $105 | $79 | $108 | $0 | $602 | $636 | $303 | (10) |
| Nova Scotia | $922 | $431 | $177 | $279 | $290 | $504 | $487 | $686 | $1,190 | $464 | $962 | $1,014 | $609 | (9) |
| New Brunswick | $751 | $210 | $235 | $573 | $850 | $1,144 | $1,171 | $933 | $570 | $606 | $639 | $921 | $773 | (6) |
| Quebec | $709 | $862 | $1,002 | $1,061 | $872 | $1,204 | $1,355 | $1,562 | $1,023 | $1,144 | $1,271 | $689 | $1,119 | (2) |
| Manitoba | $444 | $291 | $414 | $561 | $455 | $533 | $746 | $1,339 | $1,094 | $522 | $1,499 | $1,124 | $824 | (5) |
| Saskatchewan | $1,452 | $3,520 | $1,885 | $604 | $452 | $562 | $555 | $764 | $1,050 | $440 | $258 | $1,727 | $826 | (4) |
| Alberta | $1,398 | $1,645 | $1,424 | $999 | $1,206 | $1,058 | $865 | $753 | $623 | $663 | $865 | $1,547 | $1,001 | (3) |
| British Columbia | $1,950 | $1,382 | $1,502 | $2,795 | $2,700 | $3,539 | $3,813 | $2,663 | $1,849 | $1,802 | $964 | $891 | $2,211 | (1) |
| 9 Provinces | $825 | $950 | $839 | $760 | $695 | $846 | $901 | $1,011 | $783 | $708 | $871 | $864 | $828 | |
| Difference from Ont | $84 | -$17 | -$438 | -$485 | $48 | $68 | $386 | $489 | $295 | $233 | $219 | $11 | $83 | |
| Ontario | $741 | $967 | $1,277 | $1,244 | $647 | $778 | $515 | $523 | $488 | $475 | $652 | $853 | $745 | (7) |
| Canada | $792 | $957 | $1,013 | $953 | $676 | $819 | $750 | $821 | $669 | $618 | $786 | $860 | $796 | |
| Difference from Ont | $51 | -$10 | -$264 | -$291 | $29 | $41 | $235 | $298 | $181 | $143 | $135 | $6 | $51 | |

Notes: Expenditures: Total funds spent on renovations & alterations + buildings + land & site services. Excludes ancillary.
All expenditures are in 1999-00 dollars.
FTE Enrolment: full-time enrolment + ( part-time enrolment / 3.5 ), undergraduate + graduate.
Ratio: 10-year average = sum of 10-year expenses in constant 1999-00 dollars / sum of 10-year FTE enrolment.

Sources: Expenditures: Statistics Canada, Canadian Association of University Business Officers (CAUBO), Financial Statistics of Universities and Colleges.
Full-time and part-time enrolment: Statistics Canada.

FIGURE 7.3

UNIVERSITY CAPITAL EXPENDITURES
PER FTE ENROLMENT
PROVINCIAL COMPARISON
1988-89 TO 1999-00




Note: excludes ancillary.

**TABLE 7.4**

**UNIVERSITY CAPITAL AND PLANT RELATED INDICATORS**
**PROVINCIAL COMPARISON**
**1988-89 TO 1999-00**

| | Income | | | | | | Expenditures | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Prov Govt Grant for Plant as a share of Total Plant Income | | Prov Govt Grant for Plant as a share of Total University Income | | Total Plant Income as a share of Total University Income | | Total Capital Expenditures as a share of Total University Expenditures | | Total Plant Expenditures as a share of Total University Expenditures | |
| | % | Rank | % | Rank | % | Rank | % | Rank | % | Rank |
| Newfoundland | 50.8% | (8) | 1.1% | (8) | 2.2% | (9) | 4.0% | (8) | 3.5% | (9) |
| P.E.I. | 41.3% | (10) | 1.1% | (9) | 2.7% | (7) | 1.7% | (10) | 2.0% | (10) |
| Nova Scotia | 49.5% | (9) | 0.9% | (10) | 1.8% | (10) | 3.8% | (9) | 3.5% | (8) |
| New Brunswick | 72.7% | (3) | 1.7% | (7) | 2.3% | (8) | 5.7% | (3) | 3.9% | (5) |
| Quebec | 77.3% | (2) | 5.8% | (1) | 7.5% | (1) | 6.1% | (2) | 10.2% | (1) |
| Manitoba | 66.6% | (6) | 2.0% | (5) | 3.0% | (5) | 4.6% | (6) | 3.7% | (7) |
| Saskatchewan | 67.1% | (5) | 2.1% | (4) | 3.1% | (4) | 5.1% | (5) | 4.9% | (4) |
| Alberta | 84.9% | (1) | 3.9% | (2) | 4.6% | (2) | 5.6% | (4) | 5.9% | (3) |
| British Columbia | 69.6% | (4) | 3.0% | (3) | 4.4% | (3) | 9.1% | (1) | 9.7% | (2) |
| 9 Provinces | 74.5% | | 4.0% | | 5.4% | | 6.2% | | 7.8% | |
| Ontario | 66.6% | (6) | 2.0% | (5) | 3.0% | (5) | 4.5% | (7) | 3.9% | (6) |
| Canada | 72.4% | | 3.2% | | 4.5% | | 5.5% | | 6.3% | |

Notes: Percentages are based on 10-year averages calculated in terms of constant 1999-00 dollars.
Capital Expenditures = Total Funds from all sources spent on Buildings + Renovations & Alterations + Land & Site Services.
Plant Income = Grants and related interest income for the purpose of capital expenditures on furniture & equipment, major renovations & alterations, space rental, buildings, and land & site services.
Total University Income & Expenditures = Total for General Operating + Special Purpose & Trust + Sponsored Research + Ancillary Enterprises + Plant

The percentage point increase for PEI in Provincial Government Grant for Plant as a Share of Total Plant Income over the preceding Resource Document (See Resource Document 2000) is mostly because the rolling 10-year average no longer includes 1989-90 when total plant income was relatively higher than the ensuing period.

Source: Expenditures: Statistics Canada, Canadian Association of University Business Officers (CAUBO), Financial Statistics of Universities and Colleges.

**TABLE 7.5**

**INVENTORY OF PHYSICAL SPACE COMPARED TO GENERATED SPACE ONTARIO UNIVERSITIES 1986-87 TO 1998-99**

| Category of Space | Year | Inventory of Space | Generated Space | Inventory/ Generated Space |
|---|---|---|---|---|
| Classrooms | 1986-87 | 206,972 | 231,405 | 89.4% |
| | 1989-90 | 218,568 | 258,220 | 84.6% |
| | 1992-93 | 247,913 | 298,551 | 83.0% |
| | 1995-96 | 256,078 | 289,317 | 88.5% |
| | 1998-99 | 260,194 | 289,183 | 90.0% |
| Class Labs | 1986-87 | 311,046 | 323,758 | 96.1% |
| | 1989-90 | 308,474 | 324,505 | 95.1% |
| | 1992-93 | 314,577 | 358,283 | 87.8% |
| | 1995-96 | 326,708 | 357,967 | 91.3% |
| | 1998-99 | 323,541 | 370,708 | 87.3% |
| Research Labs | 1986-87 | 300,052 | 327,236 | 91.7% |
| | 1989-90 | 312,657 | 352,848 | 88.6% |
| | 1992-93 | 335,255 | 391,027 | 85.7% |
| | 1995-96 | 340,867 | 403,446 | 84.5% |
| | 1998-99 | 345,767 | 409,887 | 84.4% |
| Library Space | 1986-87 | 264,431 | 327,804 | 80.7% |
| | 1989-90 | 280,579 | 373,000 | 75.2% |
| | 1992-93 | 318,214 | 423,698 | 75.1% |
| | 1995-96 | 326,963 | 432,638 | 75.6% |
| | 1998-99 | 325,471 | 466,966 | 69.7% |
| Other Space | 1986-87 | 1,029,180 | 1,179,049 | 87.3% |
| | 1989-90 | 1,081,196 | 1,307,765 | 82.7% |
| | 1992-93 | 1,232,316 | 1,472,340 | 83.7% |
| | 1995-96 | 1,274,939 | 1,435,180 | 88.8% |
| | 1998-99 | 1,294,257 | 1,426,326 | 90.7% |
| Total Space | 1986-87 | 2,111,681 | 2,389,252 | 88.4% |
| | 1989-90 | 2,201,474 | 2,616,338 | 84.1% |
| | 1992-93 | 2,448,275 | 2,943,899 | 83.2% |
| | 1995-96 | 2,525,555 | 2,918,548 | 86.5% |
| | 1998-99 | 2,549,230 | 2,963,070 | 86.0% |

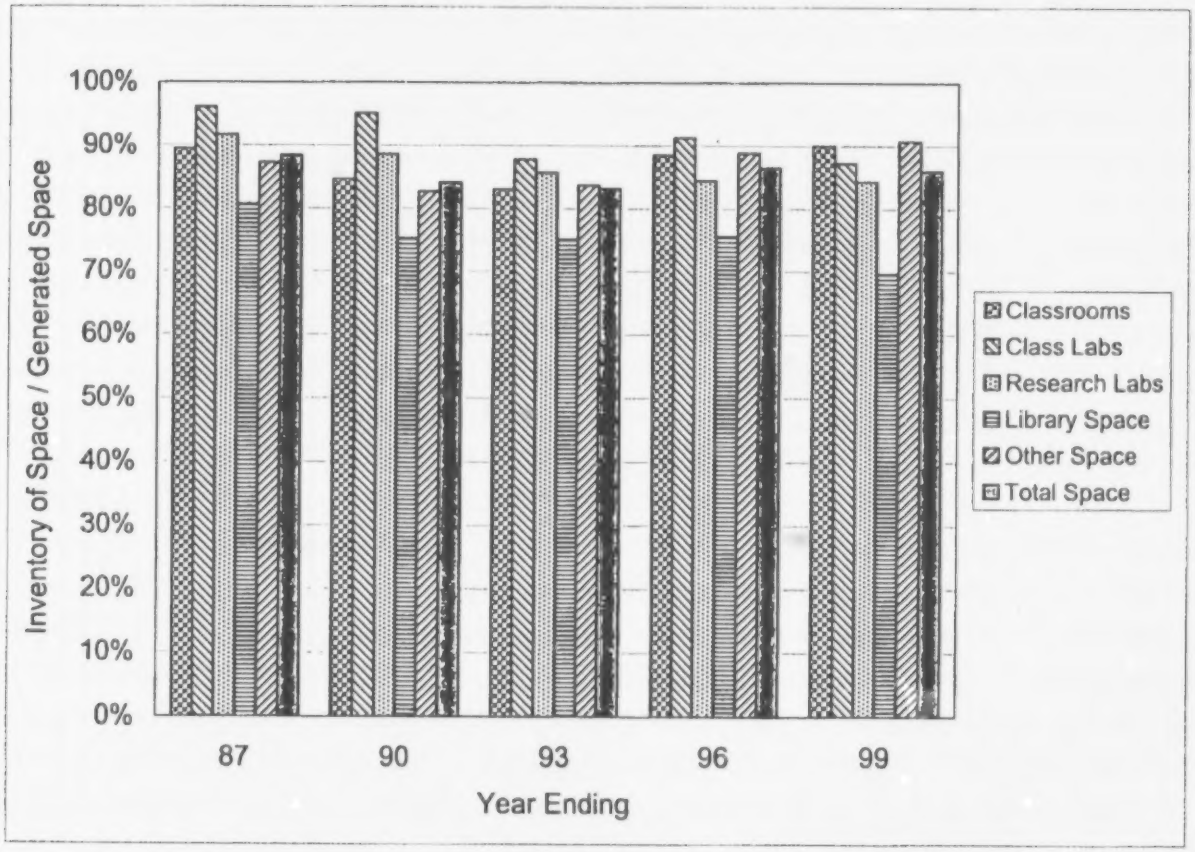
Source: COU Triennial Inventory of Physical Facilities of Ontario Universities.

Notes: Space is measured in net assignable square meters.
"Generated Space" is calculated using established space standards -- "COU Building Blocks" -- which depend on category of space, program classification, and input measures (FTE enrolment, FTE faculty, FTE graduate students, weekly student contact hours, FTE non-academic staff, and library volumes).
"Other Space" is an aggregate of the following space categories: academic departmental offices and related space, athletic and recreational space, food services, bookstore and other merchandising facilities, plant maintenance, administrative office and related space, audio-visual and television facilities, central services, health service facilities, common use and student activity space, and assembly and exhibition space. Excluded are non-assignable space as well as the following non-formula space categories: residential space, animal space, other university facilities, and health science clinical facilities.

BEST COPY AVAILABLE

FIGURE 7.5

INVENTORY OF PHYSICAL SPACE
COMPARED TO GENERATED SPACE
ONTARIO UNIVERSITIES
1986-87 TO 1998-99



# Section 8

# Faculty and Staff

**TABLE 8.1**

**FACULTY AND STAFF COMPARED TO ENROLMENT ONTARIO UNIVERSITIES 1987-88 TO 2000-01**

| | Full-Time Faculty | FTE Part-Time Faculty | FTE Non-Academic Staff | FTE Faculty and Staff | FTE Enrolment | Index Full-Time Faculty | Index FTE Part-Time Faculty | Index FTE Non-Academic Staff | Index FTE Faculty and Staff | Index FTE Enrolment |
|---|---|---|---|---|---|---|---|---|---|---|
| 1987-88 | 13,085 | 1,780 | 17,658 | 32,523 | 219,476 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 1988-89 | 13,372 | 1,874 | 18,004 | 33,249 | 228,421 | 102.2 | 105.3 | 102.0 | 102.2 | 104.1 |
| 1989-90 | 13,673 | 1,932 | 18,330 | 33,935 | 235,976 | 104.5 | 108.6 | 103.8 | 104.3 | 107.5 |
| 1990-91 | 13,717 | 1,924 | 18,626 | 34,267 | 244,777 | 104.8 | 108.1 | 105.5 | 105.4 | 111.5 |
| 1991-92 | 13,422 | 1,895 | 18,640 | 33,957 | 254,693 | 102.6 | 106.4 | 105.6 | 104.4 | 116.0 |
| 1992-93 | 13,347 | 1,951 | 18,473 | 33,772 | 259,490 | 102.0 | 109.6 | 104.6 | 103.8 | 118.2 |
| 1993-94 | 13,146 | 1,985 | 18,319 | 33,449 | 257,337 | 100.5 | 111.5 | 103.7 | 102.8 | 117.3 |
| 1994-95 | 12,792 | 1,937 | 17,823 | 32,552 | 254,824 | 97.8 | 108.8 | 100.9 | 100.1 | 116.1 |
| 1995-96 | 12,647 | 1,903 | 17,372 | 31,922 | 251,653 | 96.7 | 106.9 | 98.4 | 98.2 | 114.7 |
| 1996-97 | 11,755 | 1,861 | 15,882 | 29,498 | 247,348 | 89.8 | 104.6 | 89.9 | 90.7 | 112.7 |
| 1997-98 | 11,664 | 1,806 | 15,800 | 29,270 | 246,590 | 89.1 | 101.5 | 89.5 | 90.0 | 112.4 |
| 1998-99 | 11,747 | 1,785 | 15,750 | 29,282 | 248,362 | 89.8 | 100.3 | 89.2 | 90.0 | 113.2 |
| 1999-00 | 11,709 | 1,765 | 16,114 | 29,588 | 255,696 | 89.5 | 99.2 | 91.3 | 91.0 | 116.5 |
| 2000-01 | 11,733 | 1,786 | 16,716 | 30,235 | 261,876 | 89.7 | 100.3 | 94.7 | 93.0 | 119.3 |

Notes: Because counts of Full-Time Faculty for OCAD are not available from Statistics Canada, in order to be consistent all data in this table are based on the 17 Ontario universtities, with OCAD and Dominicain excluded. See notes to Table 8.5 for details on the methodology for counting full-time faculty. Because estimates of full-time faculty counts are used to compensate for occasional unreported data by specific universities in specific years, the counts in this table are, for some years, higher than those provided in COU's annual "Facts and Figures" report, where unreported counts are not estimated. Data for 1998-99 to 2000-01 is from Facts and Figures 2000.
Due to survey methodologies, the FTE Faculty and Staff column (the sum of the three previous columns) does not represent all faculty and staff employed by Ontario universities.
FTE Enrolment: COU estimate of Fall, eligible + ineligible, undergraduate + graduate, full-time equivalent enrolment (see Appendix A).

Sources: Full-time faculty: Statistics Canada, Salaries and Salary Scales of Full-time Teaching Staff at Canadian Universities.
Part-time faculty: Council of Ontario Universities, Survey on Faculty Complements.
Non-academic staff: Council of Ontario Universities, Survey on Non-academic Employees.
Full-time and part-time enrolment: Ministry of Training, Colleges and Universities.

FIGURE 8.1

FACULTY AND STAFF
COMPARED TO ENROLMENT
ONTARIO UNIVERSITIES
1987-88 TO 2000-01

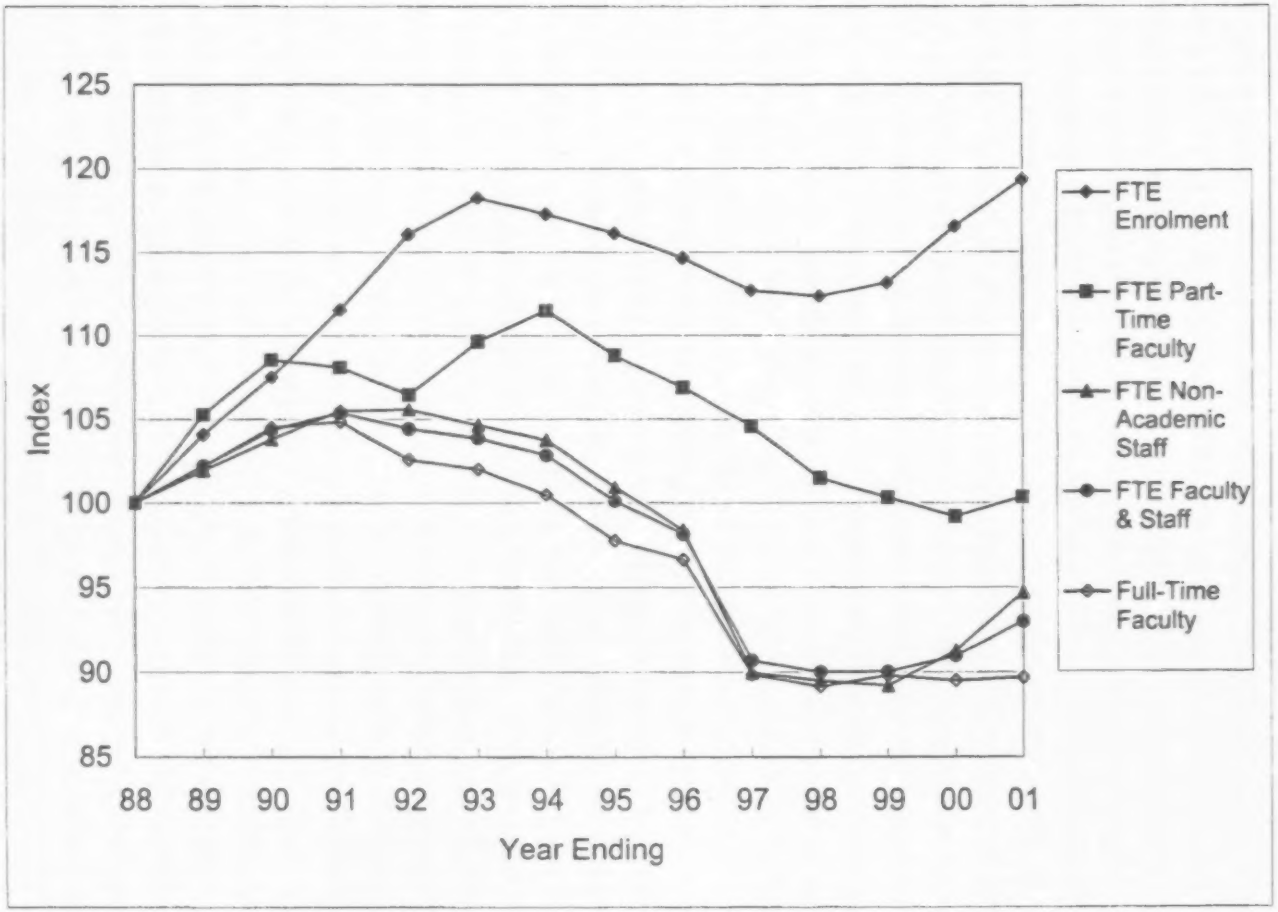


**TABLE 8.2**

**SALARIES AND WAGES**
**COMPARED TO ENROLMENT**
**ONTARIO UNIVERSITIES**
**1987-88 TO 2000-01**

| | Actual $000s | | | | Constant 2000-01 $000s | | | |
|---|---|---|---|---|---|---|---|---|
| | Academic Ranks | Other Instruction & Research | Non-Academic Staff | Total | Academic Ranks | Other Instruction & Research | Non-Academic Staff | Total |
| 1987-88 | $727,439 | $72,417 | $530,099 | $1,329,955 | $1,009,256 | $100,472 | $735,464 | $1,845,192 |
| 1988-89 | $781,634 | $81,170 | $572,376 | $1,435,180 | $1,041,573 | $108,164 | $762,724 | $1,912,461 |
| 1989-90 | $842,949 | $91,461 | $628,352 | $1,562,762 | $1,066,247 | $115,689 | $794,803 | $1,976,739 |
| 1990-91 | $913,361 | $102,861 | $690,116 | $1,706,338 | $1,099,487 | $123,822 | $830,749 | $2,054,058 |
| 1991-92 | $981,391 | $135,875 | $721,308 | $1,838,574 | $1,136,034 | $157,286 | $834,969 | $2,128,289 |
| 1992-93 | $1,007,737 | $133,595 | $757,344 | $1,898,676 | $1,146,839 | $152,036 | $861,883 | $2,160,757 |
| 1993-94 | $996,655 | $136,466 | $743,105 | $1,876,226 | $1,119,771 | $153,324 | $834,900 | $2,107,995 |
| 1994-95 | $975,524 | $125,276 | $762,671 | $1,863,471 | $1,089,620 | $139,928 | $851,872 | $2,081,421 |
| 1995-96 | $957,423 | $121,537 | $786,234 | $1,865,194 | $1,047,953 | $133,029 | $860,577 | $2,041,559 |
| 1996-97 | $917,717 | $128,047 | $745,324 | $1,791,088 | $986,589 | $137,657 | $801,258 | $1,925,504 |
| 1997-98 | $927,706 | $122,406 | $751,036 | $1,801,148 | $985,311 | $130,007 | $797,671 | $1,912,989 |
| 1998-99 | $937,117 | $131,396 | $856,142 | $1,924,655 | $985,262 | $138,147 | $900,127 | $2,023,536 |
| 1999-00 | $988,644 | $140,050 | $898,001 | $2,026,695 | $1,017,043 | $144,073 | $923,796 | $2,084,912 |
| 2000-01 | $1,036,505 | $153,724 | $940,493 | $2,130,722 | $1,036,505 | $153,724 | $940,493 | $2,130,722 |

| | Index of Constant 2000-01 Dollars | | | | | |
|---|---|---|---|---|---|---|
| | Academic Ranks | Other Instruction & Research | Non-Academic Staff | Total | FTE Enrolment | Index of FTE Enrolment |
| 1987-88 | 100.0 | 100.0 | 100.0 | 100.0 | 221,446 | 100.0 |
| 1988-89 | 103.2 | 107.7 | 103.7 | 103.6 | 230,357 | 104.0 |
| 1989-90 | 105.6 | 115.1 | 108.1 | 107.1 | 237,752 | 107.4 |
| 1990-91 | 108.9 | 123.2 | 113.0 | 111.3 | 246,628 | 111.4 |
| 1991-92 | 112.6 | 156.5 | 113.5 | 115.3 | 256,592 | 115.9 |
| 1992-93 | 113.6 | 151.3 | 117.2 | 117.1 | 261,380 | 118.0 |
| 1993-94 | 111.0 | 152.6 | 113.5 | 114.2 | 259,346 | 117.1 |
| 1994-95 | 108.0 | 139.3 | 115.8 | 112.8 | 256,753 | 115.9 |
| 1995-96 | 103.8 | 132.4 | 117.0 | 110.6 | 253,545 | 114.5 |
| 1996-97 | 97.8 | 137.0 | 108.9 | 104.4 | 249,294 | 112.6 |
| 1997-98 | 97.6 | 129.4 | 108.5 | 103.7 | 248,441 | 112.2 |
| 1998-99 | 97.6 | 137.5 | 122.4 | 109.7 | 249,984 | 112.9 |
| 1999-00 | 100.8 | 143.4 | 125.6 | 113.0 | 257,895 | 116.5 |
| 2000-01 | 102.7 | 153.0 | 127.9 | 115.5 | 263,989 | 119.2 |

Notes: Affiliated and federated colleges included.
Salaries and Wages are for general operating funds.
FTE Enrolment: COU estimate of Fall, eligible + ineligible, undergraduate + graduate, full-time equivalent enrolment (see Appendix A).
Total for "Other Instruction and Research" increased by $6.037m in 1998-99 to correct for a temporary accounting change at one institution. In addition, $7.0m was moved from Academic Ranks to "Other Instruction and Research" in 1999 to correct for an accounting error by one institution.

Starting in 1998-99, universities were required to report salaries and wages without the impact of external cost recoveries.

Sources: Salaries & Wages: COFO-UO, Financial Report of Ontario Universities.
Full-time and part-time enrolment: Ministry of Training, Colleges and Universities.

FIGURE 8.2

SALARIES AND WAGES
COMPARED TO ENROLMENT
ONTARIO UNIVERSITIES
1987-88 TO 2000-01

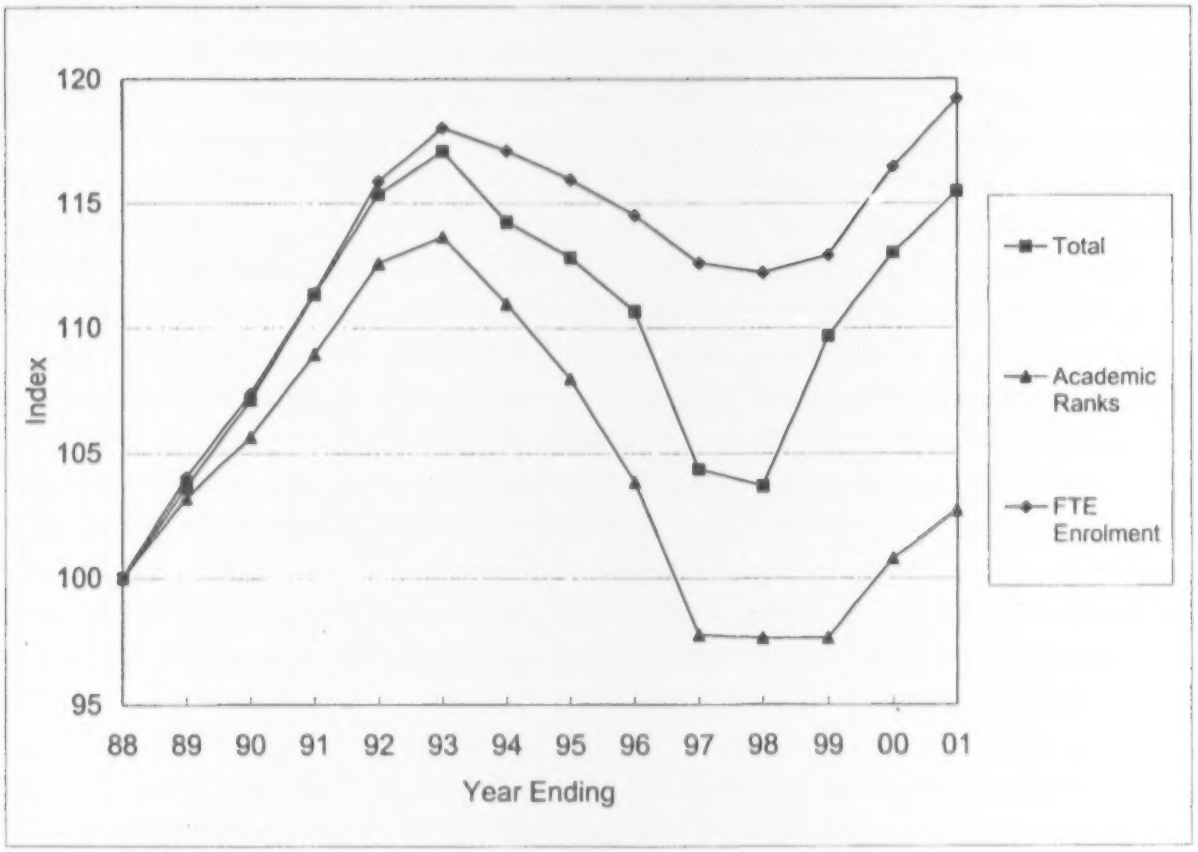


**TABLE 8.3**

**EMPLOYEE BENEFIT COSTS**
**COMPARED TO SALARIES AND WAGES**
**ONTARIO UNIVERSITIES**
**1987-88 TO 2000-01**

| | 1987-88 | 1988-89 | 1989-90 | 1990-91 | 1991-92 | 1992-93 | 1993-94 | 1994-95 | 1995-96 | 1996-97 | 1997-98 | 1998-99 | 1999-00 | 2000-01 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Actual $000s | | | | | | | | | | | | | | |
| Salaries & Wages | $1,296,233 | $1,399,147 | $1,524,064 | $1,664,838 | $1,794,632 | $1,850,259 | $1,830,350 | $1,816,181 | $1,817,554 | $1,741,671 | $1,750,717 | $1,868,306 | $1,973,748 | $2,073,967 |
| Statutory Benefits | $55,857 | $58,180 | $68,988 | $92,054 | $109,724 | $118,624 | $120,403 | $123,115 | $120,255 | $121,242 | $111,014 | $126,904 | $141,805 | $150,538 |
| Non-Statutory Benefits | $94,679 | $101,570 | $101,545 | $125,761 | $157,788 | $171,750 | $137,641 | $146,672 | $140,229 | $133,906 | $125,273 | $118,559 | $141,872 | $157,577 |
| Total Benefits | $150,536 | $159,750 | $170,533 | $217,815 | $267,512 | $290,374 | $258,044 | $269,787 | $260,484 | $255,148 | $236,287 | $245,463 | $283,677 | $308,115 |
| Total Salaries & Benefits | $1,446,769 | $1,558,897 | $1,694,597 | $1,882,653 | $2,062,144 | $2,140,633 | $2,088,394 | $2,085,968 | $2,078,038 | $1,996,819 | $1,987,004 | $2,113,769 | $2,257,425 | $2,382,082 |
| Constant 2000-01 $000s | | | | | | | | | | | | | | |
| Salaries & Wages | $1,798,406 | $1,864,445 | $1,927,790 | $2,004,101 | $2,077,422 | $2,105,657 | $2,056,452 | $2,028,600 | $1,989,414 | $1,872,378 | $1,859,427 | $1,964,292 | $2,030,445 | $2,073,967 |
| Statutory Benefits | $77,497 | $77,528 | $87,263 | $110,813 | $127,014 | $134,998 | $135,276 | $137,514 | $131,626 | $130,341 | $117,907 | $133,424 | $145,878 | $150,538 |
| Non-Statutory Benefits | $131,359 | $135,348 | $128,444 | $151,389 | $182,652 | $195,457 | $154,644 | $163,827 | $153,488 | $143,955 | $133,052 | $124,650 | $145,947 | $157,577 |
| Total Benefits | $208,855 | $212,876 | $215,707 | $262,202 | $309,665 | $330,455 | $289,920 | $301,341 | $285,114 | $274,296 | $250,959 | $258,074 | $291,826 | $308,115 |
| Total Salaries & Benefits | $2,007,261 | $2,077,321 | $2,143,497 | $2,266,303 | $2,387,088 | $2,436,113 | $2,346,372 | $2,329,941 | $2,274,529 | $2,146,674 | $2,110,386 | $2,222,366 | $2,322,270 | $2,382,082 |
| Percent of Total | | | | | | | | | | | | | | |
| Salaries & Wages | 89.6% | 89.8% | 89.9% | 88.4% | 87.0% | 86.4% | 87.6% | 87.1% | 87.5% | 87.2% | 88.1% | 88.4% | 87.4% | 87.1% |
| Statutory Benefits | 3.9% | 3.7% | 4.1% | 4.9% | 5.3% | 5.5% | 5.8% | 5.9% | 5.8% | 6.1% | 5.6% | 6.0% | 6.3% | 6.3% |
| Non-Statutory Benefits | 6.5% | 6.5% | 6.0% | 6.7% | 7.7% | 8.0% | 6.6% | 7.0% | 6.7% | 6.7% | 6.3% | 5.6% | 6.3% | 6.6% |
| Total Benefits | 10.4% | 10.2% | 10.1% | 11.6% | 13.0% | 13.6% | 12.4% | 12.9% | 12.5% | 12.8% | 11.9% | 11.6% | 12.6% | 12.9% |
| Total Salaries & Benefits | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| Indices (based on constant 2000-01 dollars) | | | | | | | | | | | | | | |
| Salaries & Wages | 100.0 | 103.7 | 107.2 | 111.4 | 115.5 | 117.1 | 114.3 | 112.8 | 110.6 | 104.1 | 103.4 | 109.2 | 112.9 | 115.3 |
| Statutory Benefits | 100.0 | 100.0 | 112.6 | 143.0 | 163.9 | 174.2 | 174.6 | 177.4 | 169.8 | 168.2 | 152.1 | 172.2 | 188.2 | 194.3 |
| Non-Statutory Benefits | 100.0 | 103.0 | 97.8 | 115.2 | 139.0 | 148.8 | 117.7 | 124.7 | 116.8 | 109.6 | 101.3 | 94.9 | 111.1 | 120.0 |
| Total Benefits | 100.0 | 101.9 | 103.3 | 125.5 | 148.3 | 158.2 | 138.8 | 144.3 | 136.5 | 131.3 | 120.2 | 123.6 | 139.7 | 147.5 |
| Total Salaries & Benefits | 100.0 | 103.5 | 106.8 | 112.9 | 118.9 | 121.4 | 116.9 | 116.1 | 113.3 | 106.9 | 105.1 | 110.7 | 115.7 | 118.7 |

Notes: Statutory benefits are Employer Health Tax, Canada Pension, Worker's Compensation, Employment Insurance.
Non-Statutory benefits are Pension, Group Life Insurance, Long Term Disability, Dental Insurance, Extended Health Care, Tuition Remission, Other.
Affiliated and federated colleges excluded.
Figures are for general operating funds.

Sources: COFO-UO, Financial Report of Ontario Universities.

FIGURE 8.3

EMPLOYEE BENEFIT COSTS
COMPARED TO SALARIES AND WAGES
ONTARIO UNIVERSITIES
1987-88 TO 2000-01

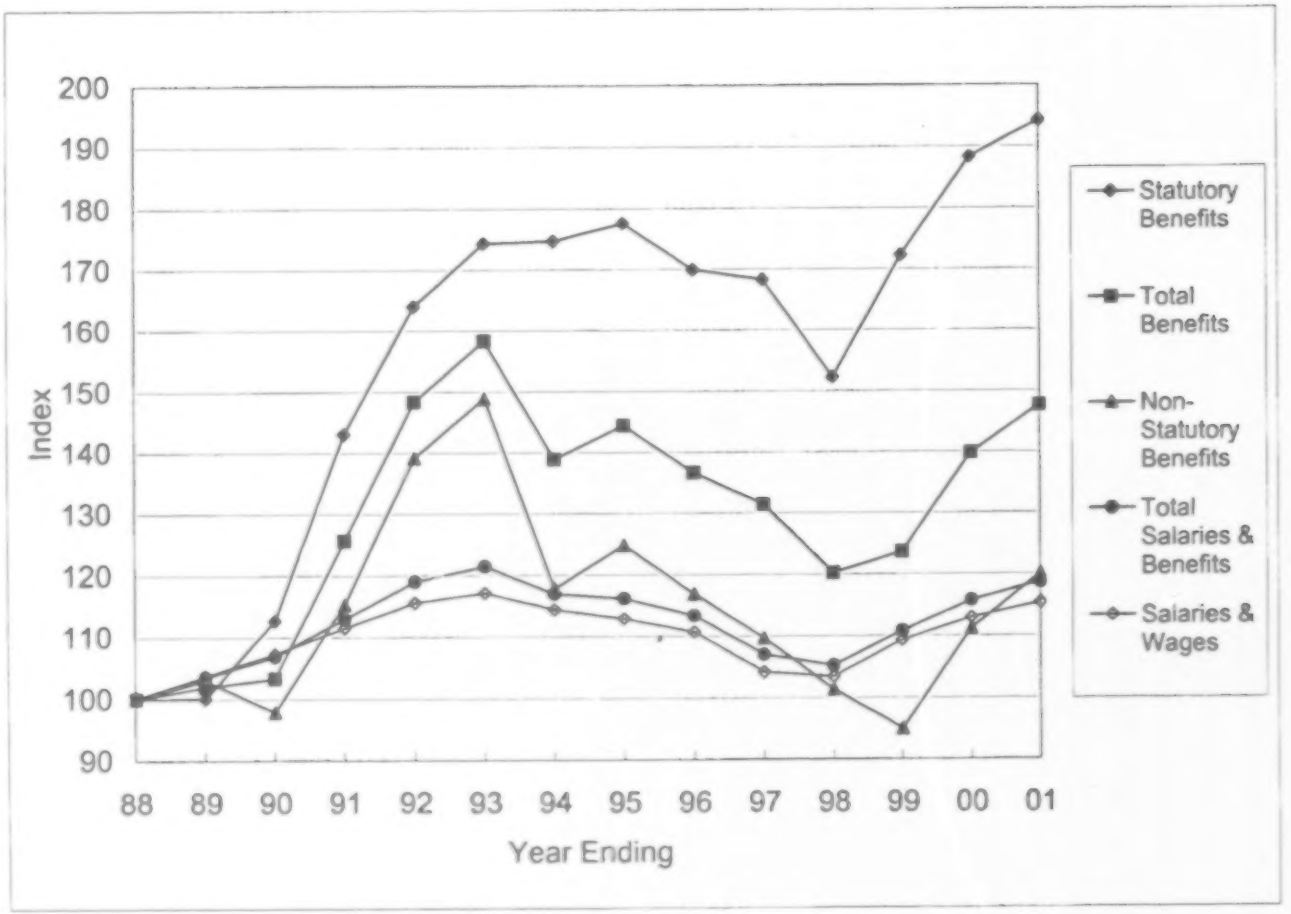


**TABLE 8.4**

**AVERAGE CLASS SIZES FOR ELEMENTARY AND SECONDARY SCHOOLS**
**STUDENT / TEACHER RATIOS FOR COLLEGES AND UNIVERSITIES**
**ONTARIO**
**1987-88 TO 2000-01**

| | Elementary Schools | | Secondary Schools | | Community Colleges | | Universities | |
|---|---|---|---|---|---|---|---|---|
| | Class Size | Index | Class Size | Index | Student / Faculty | Index | Student / Faculty | Index |
| 1987-88 | | | | | 11.5 | 74.5 | 14.6 | 83.9 |
| 1988-89 | | | | | 11.3 | 73.1 | 14.9 | 85.6 |
| 1989-90 | 23.9 | 100.8 | | | 11.7 | 75.7 | 15.1 | 86.7 |
| 1990-91 | 23.5 | 99.2 | | | 12.4 | 80.4 | 15.7 | 89.8 |
| 1991-92 | 23.2 | 97.9 | | | 13.4 | 86.9 | 16.7 | 95.6 |
| 1992-93 | 23.4 | 98.7 | | | 14.4 | 93.4 | 17.1 | 98.3 |
| 1993-94 | 23.7 | 100.0 | 20.9 | 100.0 | 15.5 | 100.0 | 17.4 | 100.0 |
| 1994-95 | 24.3 | 102.5 | 21.5 | 102.9 | 16.2 | 104.8 | 17.8 | 102.3 |
| 1995-96 | 24.6 | 103.8 | 21.9 | 104.8 | 17.6 | 113.9 | 17.9 | 102.4 |
| 1996-97 | 24.9 | 105.1 | 21.4 | 102.4 | 20.1 | 129.9 | 19.1 | 109.7 |
| 1997-98 | 24.9 | 105.1 | 22.5 | 107.7 | 21.2 | 137.2 | 19.3 | 110.7 |
| 1998-99 | 24.4 | 103.0 | 21.5 | 102.9 | 22.0 | 142.0 | 19.4 | 111.2 |
| 1999-00 | 24.3 | 102.5 | 21.4 | 102.4 | 22.0 | 142.3 | 20.1 | 115.0 |
| 2000-01 | 24.1 | 101.7 | 20.4 | 97.6 | 22.0 | 142.0 | 20.5 | 117.5 |

Notes:

Elementary & Secondary Schools: Average class size. Special education classes are excluded. Figures are not available before 1989-90 for elementary and before 1993-94 for secondary.
Community Colleges: Full-time post-secondary enrolment / full-time academic employees.
Universities: Full-time enrolment / full-time faculty. Based on the 17 Ontario universities, with OCAD excluded, since full-time faculty counts are not available for OCAD from Statistics Canada. Affiliates included and estimated where unavailable.
See notes to Table 8.5 for details on the methodology for counting full-time faculty.

Indices: Relative to 1993-94, the first year for which all four indicators are available.

Sources:

Elementary & Secondary Schools: Ministry of Education.
Community Colleges: Ministry of Training, Colleges and Universities; Ontario Council of Regents; Association of Colleges of Applied Arts and Technology of Ontario (ACAATO).
Universities: Enrolment from Ministry of Training, Colleges and Universities. Faculty from Statistics Canada.

**FIGURE 8.4**

**AVERAGE CLASS SIZES FOR ELEMENTARY AND SECONDARY SCHOOLS**
**STUDENT / TEACHER RATIOS FOR COLLEGES AND UNIVERSITIES**
**ONTARIO**
**1987-88 TO 2000-01**

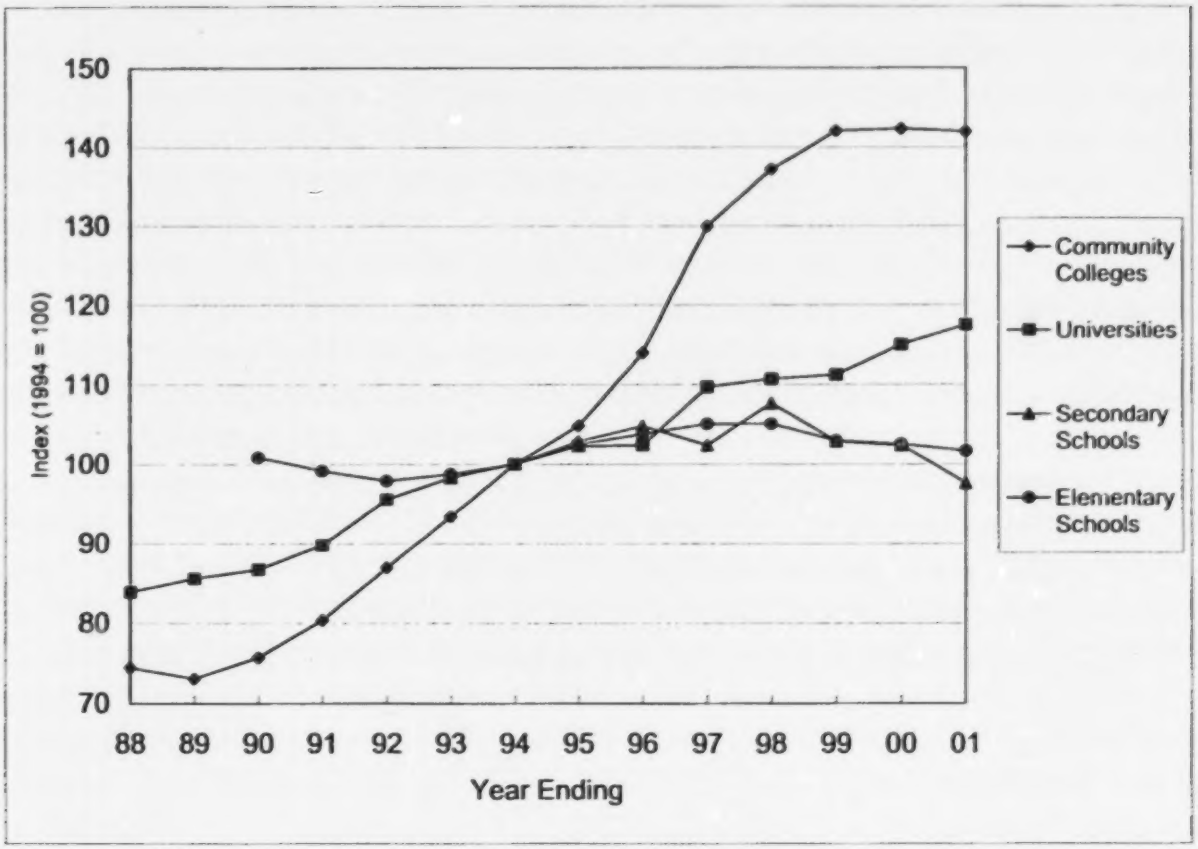


**TABLE 8.5**

**FTE ENROLMENT PER FULL-TIME FACULTY**
**CANADIAN UNIVERSITIES**
**PROVINCIAL COMPARISON**
**1987-88 TO 1999-00**

| | | 1987-88 | 1988-89 | 1989-90 | 1990-91 | 1991-92 | 1992-93 | 1993-94 | 1994-95 | 1995-96 | 1996-97 | 1997-98 | 1998-99 | 1999-00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Newfoundland | Ratio | 13.0 | 13.2 | 13.0 | 13.4 | 14.3 | 14.2 | 15.2 | 15.6 | 15.3 | 16.3 | 16.6 | 16.8 | *16.6* |
| | Rank | (10) | (10) | (10) | (10) | (10) | (10) | (8) | (8) | (8) | (8) | (8) | (8) | *(7)* |
| P.E.I. | Ratio | 16.6 | 15.7 | 14.6 | 15.8 | 16.9 | 17.0 | 14.9 | 14.0 | 14.0 | 12.9 | 14.5 | 14.6 | *14.5* |
| | Rank | (3) | (3) | (6) | (4) | (4) | (5) | (9) | (10) | (10) | (10) | (10) | (10) | *(10)* |
| Nova Scotia | Ratio | 13.4 | 13.5 | 14.1 | 14.2 | 15.6 | 16.1 | 16.2 | 16.5 | 16.7 | 17.1 | 17.4 | 17.3 | *16.6* |
| | Rank | (9) | (9) | (9) | (9) | (8) | (7) | (6) | (6) | (6) | (7) | (7) | (7) | *(7)* |
| New Brunswick | Ratio | 14.3 | 14.4 | 14.7 | 15.2 | 16.0 | 17.4 | 17.9 | 18.1 | 18.1 | 17.9 | 17.5 | 17.5 | *17.5* |
| | Rank | (6) | (6) | (5) | (6) | (5) | (4) | (4) | (4) | (5) | (5) | (6) | (6) | *(6)* |
| Quebec | Ratio | 19.0 | 19.3 | 19.3 | 19.1 | 19.2 | 19.2 | 19.1 | 18.7 | 18.4 | 18.6 | 19.6 | 20.2 | *20.1* |
| | Rank | (1) | (1) | (1) | (1) | (1) | (2) | (2) | (3) | (4) | (4) | (4) | (2) | *(2)* |
| Manitoba | Ratio | 14.0 | 14.2 | 14.3 | 14.3 | 14.9 | 14.5 | 14.5 | 15.5 | 15.2 | 16.1 | 16.5 | 15.8 | *16.4* |
| | Rank | (7) | (7) | (8) | (8) | (9) | (9) | (10) | (9) | (9) | (9) | (9) | (9) | *(9)* |
| Saskatchewan | Ratio | 15.6 | 15.5 | 15.9 | 16.4 | 18.0 | 18.4 | 18.8 | 19.1 | 19.6 | 19.6 | 19.8 | 19.7 | *19.3* |
| | Rank | (5) | (4) | (3) | (3) | (3) | (3) | (3) | (2) | (2) | (3) | (2) | (3) | *(4)* |
| Alberta | Ratio | 16.4 | 15.4 | 15.8 | 15.8 | 16.0 | 16.7 | 17.3 | 17.8 | 19.0 | 20.6 | 19.7 | 19.5 | *19.9* |
| | Rank | (4) | (5) | (4) | (4) | (5) | (6) | (5) | (5) | (3) | (2) | (3) | (4) | *(3)* |
| British Columbia | Ratio | 13.9 | 14.2 | 14.4 | 14.8 | 16.0 | 15.9 | 16.0 | 16.2 | 16.7 | 17.3 | 18.0 | 18.8 | *19.1* |
| | Rank | (8) | (7) | (7) | (7) | (5) | (8) | (7) | (7) | (6) | (6) | (5) | (5) | *(5)* |
| 9 Provinces | Ratio | 16.2 | 16.3 | 16.4 | 16.5 | 17.2 | 17.4 | 17.6 | 17.6 | 17.7 | 18.2 | 18.7 | 19.0 | *19.0* |
| Ontario | Ratio | 16.8 | 17.1 | 17.3 | 17.8 | 19.0 | 19.4 | 19.6 | 19.9 | 19.9 | 21.0 | 21.1 | 21.3 | *21.9* |
| | Rank | (2) | (2) | (2) | (2) | (2) | (1) | (1) | (1) | (1) | (1) | (1) | (1) | *(1)* |
| Canada | Ratio | 16.4 | 16.6 | 16.8 | 17.0 | 17.9 | 18.2 | 18.3 | 18.4 | 18.5 | 19.2 | 19.6 | 19.8 | *20.0* |

Notes:

Student / faculty ratios are based on a set of 48 "core" universities in Canada; the same 48 universities that are included in Maclean's magazine's annual ranking of Canadian universities.

FTE enrolment = full-time enrolment + ( part-time enrolment ) / 3.5.

Full-time faculty counts include all teaching ranks, and medical and dental teaching staff. Excluded are part-time teaching staff, senior administrators, staff on leave of absence, visiting professors, and staff not on regular pay scale. A change in the definition of full-time faculty by Statistics Canada in 1991-92 caused the number of full-time faculty to drop by 350 (2.42%) in Ontario and by 994 (2.66%) in Canada in that year. COU estimates of full-time faculty counts are used to compensate for occasional unreported data by specific universities in specific years in order to provide consistent and comparable student / faculty ratios.

Sources:

Enrolment: Statistics Canada.

Full-time faculty counts: Statistics Canada, Salaries and Salary Scales of Full-Time Teaching Staff at Canadian Universities and Colleges.

**FIGURE 8.5**

**FTE ENROLMENT PER FULL-TIME FACULTY**
**CANADIAN UNIVERSITIES**
**PROVINCIAL COMPARISON**
**1987-88 TO 1999-00**

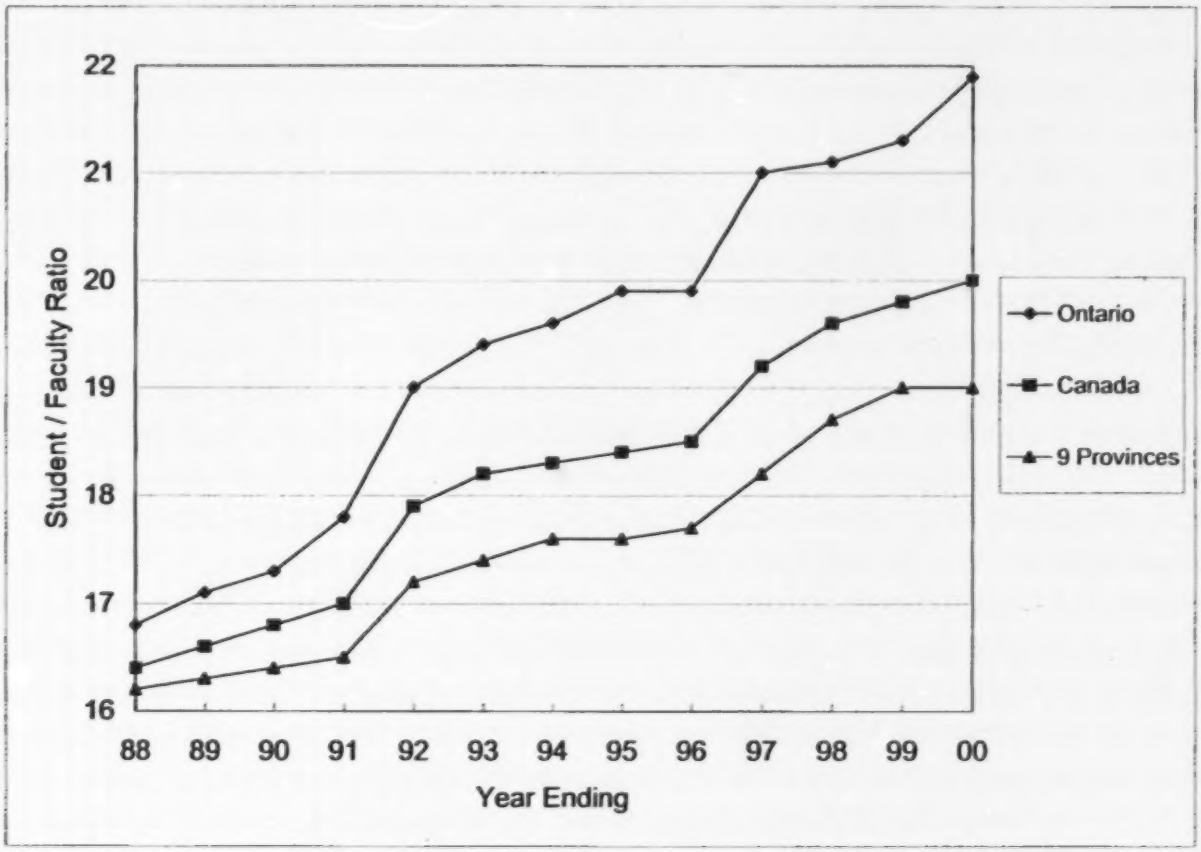


**TABLE 8.6**

**FTE ENROLMENT PER FTE FACULTY**
**CANADIAN UNIVERSITIES**
**PROVINCIAL COMPARISON**
**1987-88 TO 1999-00**

| | | 1987-88 | 1988-89 | 1989-90 | 1990-91 | 1991-92 | 1992-93 | 1993-94 | 1994-95 | 1995-96 | 1996-97 | 1997-98 | 1998-99 | 1999-00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Newfoundland | Ratio | 11.6 | 10.6 | 11.7 | 12.2 | 12.6 | 11.3 | 11.4 | 12.2 | 12.6 | 12.9 | 13.8 | 13.8 | 12.9 |
| | Rank | (10) | (10) | (10) | (10) | (10) | (10) | (10) | (10) | (10) | (9) | (8) | (8) | (10) |
| P.E.I. | Ratio | 14.8 | 14.8 | 13.8 | 14.5 | 14.9 | 15.2 | 13.8 | 12.9 | 12.8 | 12.3 | 13.2 | 12.8 | 13.2 |
| | Rank | (4) | (3) | (5) | (4) | (4) | (4) | (9) | (9) | (9) | (10) | (10) | (10) | (8) |
| Nova Scotia | Ratio | 12.4 | 12.7 | 12.9 | 13.0 | 13.5 | 13.6 | 13.9 | 13.6 | 14.0 | 14.1 | 13.8 | 13.5 | 13.2 |
| | Rank | (9) | (9) | (9) | (9) | (9) | (9) | (8) | (8) | (7) | (8) | (8) | (9) | (8) |
| New Brunswick | Ratio | 12.8 | 13.3 | 13.5 | 13.9 | 14.5 | 15.6 | 16.1 | 15.9 | 15.8 | 15.4 | 15.0 | 15.4 | 15.4 |
| | Rank | (8) | (8) | (7) | (6) | (5) | (3) | (3) | (3) | (4) | (5) | (6) | (5) | (5) |
| Quebec | Ratio | 15.2 | 15.2 | 15.1 | 14.9 | 15.1 | 15.1 | 15.3 | 15.2 | 15.1 | 15.7 | 15.8 | 16.5 | 16.9 |
| | Rank | (2) | (2) | (3) | (3) | (3) | (5) | (4) | (5) | (5) | (4) | (4) | (3) | (3) |
| Manitoba | Ratio | 13.4 | 13.5 | 13.5 | 13.6 | 13.9 | 14.0 | 14.0 | 15.1 | 14.8 | 15.3 | 14.2 | 14.1 | 14.1 |
| | Rank | (6) | (7) | (7) | (7) | (8) | (7) | (7) | (6) | (6) | (6) | (7) | (7) | (7) |
| Saskatchewan | Ratio | 15.6 | 14.2 | 15.6 | 16.0 | 16.6 | 17.3 | 17.0 | 17.3 | 17.6 | 18.5 | 17.7 | 17.8 | 17.6 |
| | Rank | (1) | (4) | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (2) | (2) |
| Alberta | Ratio | 14.0 | 13.7 | 14.0 | 14.3 | 14.4 | 14.7 | 15.1 | 15.5 | 16.3 | 17.7 | 16.0 | 15.8 | 16.8 |
| | Rank | (5) | (5) | (4) | (5) | (6) | (6) | (5) | (4) | (3) | (2) | (3) | (4) | (4) |
| British Columbia | Ratio | 13.2 | 13.6 | 13.6 | 13.6 | 14.1 | 14.0 | 14.3 | 14.3 | 13.8 | 15.2 | 15.5 | 15.0 | 15.2 |
| | Rank | (7) | (6) | (6) | (7) | (7) | (7) | (6) | (7) | (8) | (7) | (5) | (6) | (6) |
| 9 Provinces | Ratio | 14.1 | 14.1 | 14.3 | 14.3 | 14.6 | 14.6 | 14.8 | 15.0 | 15.0 | 15.7 | 15.5 | 15.6 | 15.9 |
| Ontario | Ratio | 15.0 | 15.4 | 15.5 | 16.0 | 16.3 | 16.9 | 17.0 | 17.2 | 17.3 | 17.5 | 17.7 | 18.0 | 18.5 |
| | Rank | (3) | (1) | (2) | (1) | (2) | (2) | (1) | (2) | (2) | (3) | (1) | (1) | (1) |
| Canada | Ratio | 14.5 | 14.6 | 14.7 | 14.9 | 15.2 | 15.5 | 15.6 | 15.8 | 15.8 | 16.4 | 16.3 | 16.5 | 16.8 |

Notes:

Student / faculty ratios are based on a set of 48 "core" universities in Canada; the same 48 universities that are included in Maclean's magazine's annual ranking of Canadian universities.

FTE enrolment = full-time enrolment + ( part-time enrolment ) / 3.5.

FTE faculty cannot be obtained directly due to lack of data on part-time faculty. Rather, FTE faculty are estimated according to the equation: FTE faculty = ( total academic ranks salaries + total instruction & research salaries ) / ( average salary of full-time faculty ). Average salaries are based on the set of full-time faculty that includes all teaching ranks, and medical and dental teaching staff. Excluded are part-time teaching staff, senior administrators, staff on leave of absence, visiting professors, and staff not on regular pay scale. COU estimates of average salaries are used to compensate for occasional unreported data by specific universities in specific years in order to provide consistent and comparable student / faculty ratios.

Sources:

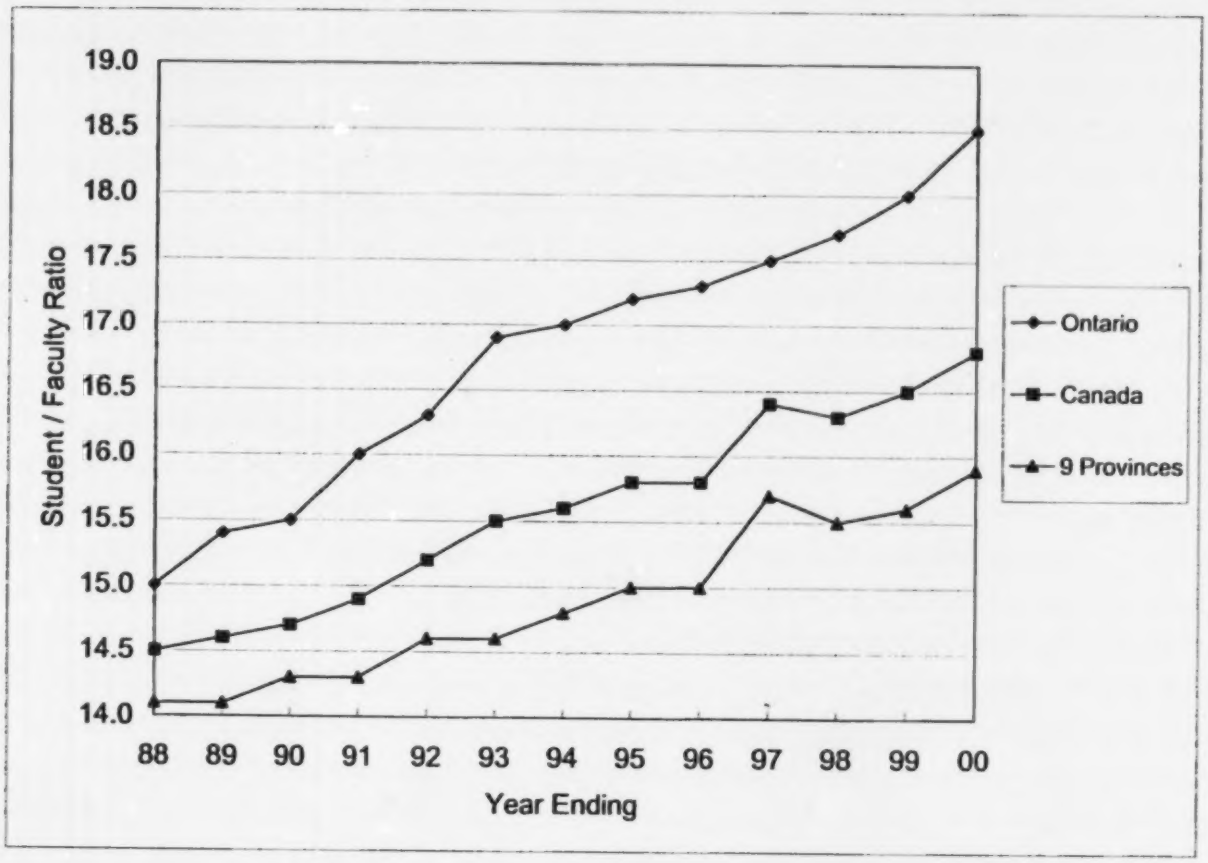
Enrolment: Statistics Canada.

Full-time faculty average salaries: Statistics Canada, Salaries and Salary Scales of Full-Time Teaching Staff at Canadian Universities and Colleges.

Total faculty salaries: Statistics Canada, Canadian Association of University Business Officers, Financial Statistics of Universities and Colleges.

**FIGURE 8.6**

**FTE ENROLMENT PER FTE FACULTY**
**CANADIAN UNIVERSITIES**
**PROVINCIAL COMPARISON**
**1987-88 TO 1999-00**



# Section 9

# Education and Employment

**TABLE 9.1**

**UNEMPLOYMENT RATE**
**BY EDUCATIONAL ATTAINMENT**
**ONTARIO AND CANADA**
**1990 TO 2001**

| | Educational Attainment | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Canada | 0 - 8 years | 12.5% | 15.3% | 15.8% | 16.8% | 15.7% | 15.0% | 14.9% | 15.1% | 13.9% | 12.8% | 12.6% | 13.4% |
| | Some high school | 12.2% | 15.3% | 17.3% | 17.0% | 16.2% | 15.0% | 15.5% | 15.8% | 14.5% | 13.5% | 12.4% | 12.7% |
| | High school graduate | 7.7% | 10.3% | 10.7% | 11.5% | 9.9% | 9.4% | 9.6% | 8.7% | 8.2% | 7.5% | 6.6% | 6.8% |
| | Some post-secondary | 8.0% | 10.2% | 11.1% | 11.6% | 10.6% | 9.9% | 10.1% | 10.2% | 9.4% | 8.5% | 7.8% | 8.0% |
| | Post-secondary certificate or diploma | 6.4% | 8.2% | 9.3% | 9.6% | 8.9% | 7.9% | 8.1% | 7.4% | 6.5% | 5.9% | 5.2% | 5.8% |
| | University degree | 3.8% | 5.0% | 5.5% | 5.9% | 5.4% | 4.9% | 5.2% | 4.8% | 4.4% | 4.3% | 3.9% | 4.6% |
| | Bachelor's degree | 4.3% | 5.6% | 6.1% | 6.6% | 6.2% | 5.5% | 5.6% | 5.3% | 4.6% | 4.5% | 4.1% | 4.9% |
| | Graduate degree | 2.5% | 3.6% | 4.1% | 4.3% | 3.8% | 3.8% | 4.4% | 3.9% | 3.8% | 3.7% | 3.5% | 4.1% |
| | Total Labour Force | 8.1% | 10.3% | 11.2% | 11.4% | 10.4% | 9.4% | 9.6% | 9.1% | 8.3% | 7.6% | 6.8% | 7.2% |
| Ontario | 0 - 8 years | 8.1% | 13.5% | 12.8% | 13.1% | 11.3% | 11.6% | 11.2% | 9.7% | 10.2% | 7.8% | 7.1% | 8.2% |
| | Some high school | 9.8% | 14.5% | 17.1% | 16.4% | 15.5% | 14.8% | 14.8% | 15.4% | 13.3% | 12.6% | 10.5% | 11.2% |
| | High school graduate | 6.0% | 9.9% | 10.3% | 12.0% | 9.6% | 9.4% | 9.5% | 8.6% | 7.5% | 6.1% | 5.6% | 6.2% |
| | Some post-secondary | 6.4% | 9.9% | 11.0% | 12.0% | 10.6% | 9.0% | 10.2% | 10.0% | 8.2% | 7.7% | 7.0% | 6.9% |
| | Post-secondary certificate or diploma | 4.7% | 7.1% | 9.1% | 9.0% | 8.5% | 6.9% | 7.3% | 6.6% | 5.3% | 4.6% | 4.3% | 4.9% |
| | University degree | 2.7% | 4.6% | 5.2% | 5.3% | 4.8% | 4.3% | 5.1% | 4.5% | 4.1% | 3.7% | 3.9% | 4.9% |
| | Bachelor's degree | 3.0% | 5.4% | 5.7% | 6.2% | 5.8% | 4.8% | 5.4% | 5.0% | 4.1% | 3.9% | 4.0% | 5.2% |
| | Graduate degree | 1.9% | 3.0% | 4.3% | 3.7% | 3.2% | 3.6% | 4.4% | 3.8% | 3.9% | 3.4% | 3.8% | 4.3% |
| | Total Labour Force | 6.2% | 9.5% | 10.7% | 10.9% | 9.6% | 8.7% | 9.0% | 8.4% | 7.2% | 6.3% | 5.7% | 6.3% |
| 9 Provinces | 0 - 8 years | 14.6% | 16.1% | 17.2% | 18.5% | 17.7% | 16.5% | 16.6% | 17.8% | 15.6% | 15.1% | 15.2% | 15.6% |
| | Some high school | 13.8% | 15.9% | 17.4% | 17.4% | 16.6% | 15.0% | 15.9% | 16.0% | 15.3% | 14.1% | 13.5% | 13.8% |
| | High school graduate | 8.8% | 10.6% | 11.0% | 11.2% | 10.2% | 9.4% | 9.7% | 8.7% | 8.7% | 8.4% | 7.3% | 7.3% |
| | Some post-secondary | 9.1% | 10.3% | 11.2% | 11.4% | 10.7% | 10.5% | 10.1% | 10.3% | 10.1% | 9.0% | 8.3% | 8.6% |
| | Post-secondary certificate or diploma | 7.2% | 8.7% | 9.4% | 9.9% | 9.1% | 8.4% | 8.5% | 7.8% | 7.2% | 6.6% | 5.8% | 6.2% |
| | University degree | 4.6% | 5.3% | 5.7% | 6.3% | 5.9% | 5.4% | 5.3% | 5.0% | 4.6% | 4.7% | 3.8% | 4.4% |
| | Bachelor's degree | 5.3% | 5.8% | 6.4% | 6.8% | 6.5% | 5.9% | 5.7% | 5.4% | 5.0% | 5.0% | 4.1% | 4.7% |
| | Graduate degree | 3.1% | 4.1% | 3.9% | 4.9% | 4.4% | 4.0% | 4.5% | 3.9% | 3.8% | 4.0% | 3.2% | 3.9% |
| | Total Labour Force | 9.4% | 10.8% | 11.4% | 11.7% | 10.8% | 9.9% | 10.0% | 9.5% | 9.0% | 8.4% | 7.5% | 7.6% |

Notes: Unemployment rate for a particular group is the number of unemployed persons in the group expressed as a percentage of the labour force of the group. Rate is based on annual average for those age 15+. Educational attainment is highest level of schooling completed.

Source: Statistics Canada, Labour Force Historical Review, 2001, Table 02AN.

FIGURE 9.1

UNEMPLOYMENT RATE
BY EDUCATIONAL ATTAINMENT
ONTARIO
1990 TO 2001

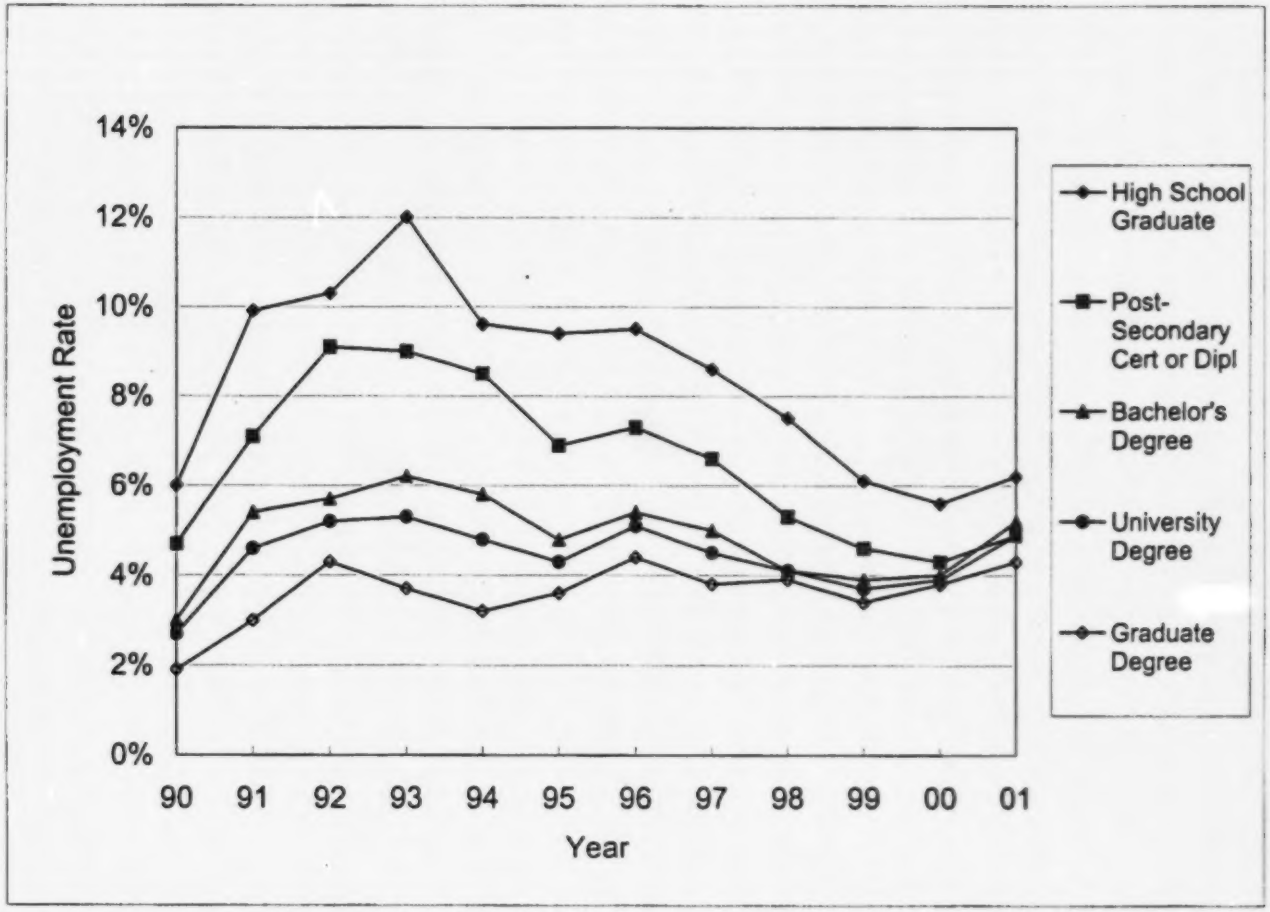


**TABLE 9.2**

**PERCENT OF TOTAL EMPLOYMENT**
**BY EDUCATIONAL ATTAINMENT**
**ONTARIO AND CANADA**
**1990 TO 2001**

| | Educational Attainment | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Canada | No University Degree | 84.5% | 83.7% | 82.6% | 81.3% | 80.8% | 80.7% | 80.7% | 80.3% | 80.0% | 79.7% | 79.1% | 78.8% |
| | 0 - 8 years | 7.6% | 7.0% | 6.6% | 5.7% | 5.8% | 5.3% | 4.9% | 4.6% | 4.4% | 4.1% | 3.7% | 3.4% |
| | Some high school | 16.9% | 16.1% | 14.9% | 14.1% | 13.8% | 13.2% | 12.8% | 12.1% | 11.9% | 11.6% | 11.0% | 10.6% |
| | High school graduate | 23.4% | 23.4% | 23.8% | 23.6% | 22.2% | 21.8% | 22.0% | 20.9% | 20.9% | 21.2% | 21.7% | 21.4% |
| | Some post-secondary | 9.1% | 9.2% | 9.1% | 8.8% | 8.3% | 8.5% | 8.5% | 8.7% | 8.5% | 8.4% | 8.7% | 8.4% |
| | Post-secondary certificate or diploma | 27.4% | 27.9% | 28.3% | 29.1% | 30.8% | 31.9% | 32.5% | 34.1% | 34.4% | 34.4% | 33.9% | 35.0% |
| | University degree | 15.5% | 16.3% | 17.4% | 18.7% | 19.2% | 19.3% | 19.3% | 19.7% | 20.0% | 20.3% | 21.0% | 21.2% |
| | Bachelor's degree | 10.5% | 11.0% | 11.7% | 12.7% | 12.6% | 13.0% | 12.9% | 13.2% | 13.7% | 13.7% | 14.0% | 14.3% |
| | Graduate degree | 5.0% | 5.3% | 5.6% | 6.1% | 6.5% | 6.3% | 6.4% | 6.5% | 6.3% | 6.6% | 7.0% | 6.9% |
| Ontario | No University Degree | 82.5% | 81.0% | 80.3% | 78.8% | 78.0% | 78.2% | 78.3% | 78.0% | 77.9% | 77.2% | 76.2% | 76.1% |
| | 0 - 8 years | 6.4% | 5.6% | 5.5% | 4.8% | 5.2% | 4.4% | 4.2% | 4.1% | 3.8% | 3.5% | 3.2% | 2.7% |
| | Some high school | 17.5% | 16.7% | 15.4% | 14.4% | 13.3% | 12.3% | 12.5% | 11.4% | 11.3% | 10.6% | 10.1% | 9.7% |
| | High school graduate | 23.8% | 23.4% | 24.0% | 24.0% | 22.8% | 22.7% | 22.9% | 21.4% | 21.9% | 22.3% | 22.4% | 22.8% |
| | Some post-secondary | 9.5% | 9.5% | 9.4% | 8.9% | 8.7% | 9.3% | 8.8% | 8.9% | 8.8% | 8.6% | 8.9% | 8.0% |
| | Post-secondary certificate or diploma | 25.4% | 25.8% | 26.0% | 26.8% | 28.0% | 29.4% | 29.9% | 32.2% | 32.1% | 32.2% | 31.6% | 32.9% |
| | University degree | 17.5% | 19.0% | 19.7% | 21.2% | 22.0% | 21.8% | 21.7% | 22.0% | 22.1% | 22.8% | 23.8% | 23.9% |
| | Bachelor's degree | 11.6% | 12.4% | 12.5% | 13.3% | 13.8% | 14.0% | 13.7% | 13.9% | 14.4% | 14.7% | 15.5% | 15.3% |
| | Graduate degree | 5.9% | 6.6% | 7.2% | 7.8% | 8.2% | 7.8% | 8.0% | 8.0% | 7.7% | 8.1% | 8.3% | 8.6% |
| 9 Provinces | No University Degree | 85.7% | 85.4% | 84.1% | 82.8% | 82.6% | 82.2% | 82.2% | 81.8% | 81.3% | 81.3% | 80.9% | 80.6% |
| | 0 - 8 years | 8.5% | 7.9% | 7.3% | 6.2% | 6.2% | 5.8% | 5.4% | 4.9% | 4.7% | 4.4% | 4.1% | 3.8% |
| | Some high school | 16.5% | 15.7% | 14.6% | 13.9% | 14.0% | 13.8% | 13.0% | 12.5% | 12.2% | 12.3% | 11.6% | 11.3% |
| | High school graduate | 23.2% | 23.4% | 23.6% | 23.3% | 21.8% | 21.3% | 21.5% | 20.5% | 20.2% | 20.5% | 21.2% | 20.5% |
| | Some post-secondary | 8.8% | 9.1% | 8.9% | 8.8% | 8.1% | 8.0% | 8.3% | 8.6% | 8.4% | 8.2% | 8.6% | 8.6% |
| | Post-secondary certificate or diploma | 28.7% | 29.3% | 29.7% | 30.5% | 32.5% | 33.4% | 34.1% | 35.3% | 35.8% | 35.8% | 35.4% | 36.4% |
| | University degree | 14.3% | 14.6% | 15.9% | 17.2% | 17.4% | 17.8% | 17.8% | 18.2% | 18.7% | 18.7% | 19.1% | 19.4% |
| | Bachelor's degree | 9.9% | 10.2% | 11.2% | 12.2% | 11.9% | 12.4% | 12.4% | 12.7% | 13.2% | 13.0% | 13.0% | 13.6% |
| | Graduate degree | 4.4% | 4.4% | 4.7% | 5.0% | 5.5% | 5.4% | 5.4% | 5.5% | 5.5% | 5.7% | 6.1% | 5.7% |

Notes: Employment figures are based on annual average, full-time employment for those age 15+.
Educational Attainment is highest level of schooling completed.

Source: Statistics Canada, Labour Force Historical Review, 2001, Table 02AN.

FIGURE 9.2

PERCENT OF TOTAL EMPLOYMENT
BY EDUCATIONAL ATTAINMENT
ONTARIO
1990 TO 2001

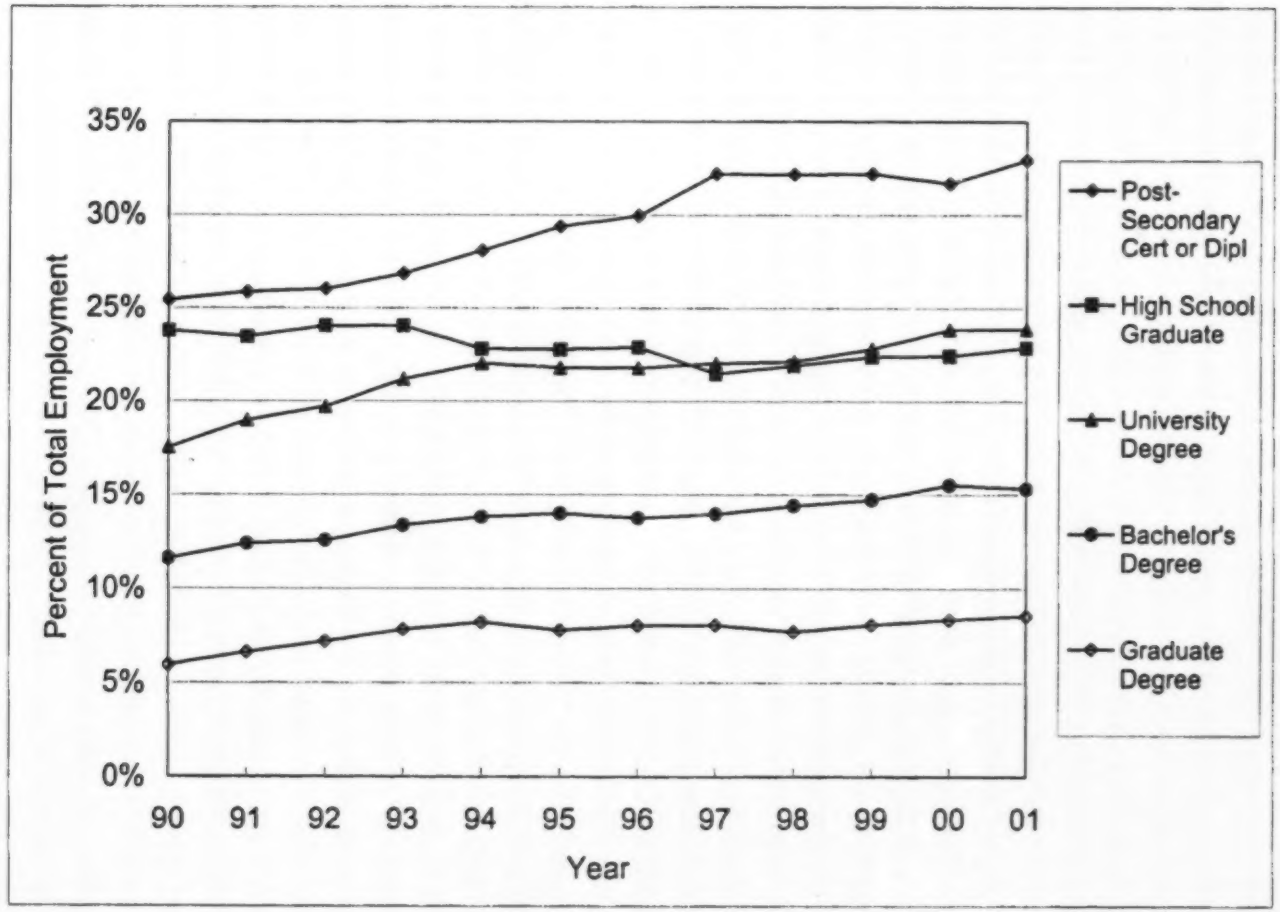


**TABLE 9.3**

**AVERAGE PERSONAL INCOME**
**BY EDUCATIONAL ATTAINMENT AND AGE**
**ONTARIO AND CANADA**
**1995**

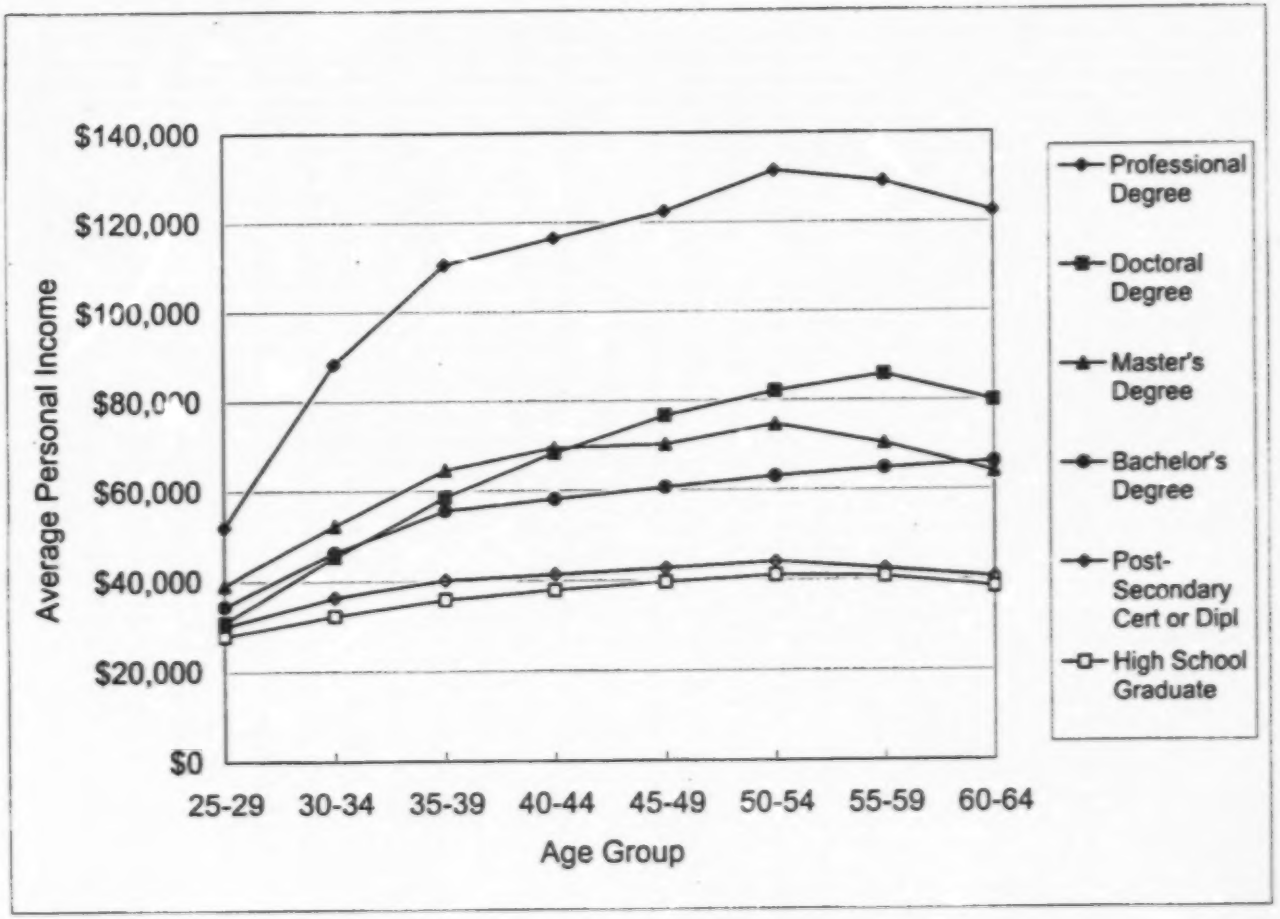
| Educational Attainment | Age 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70+ | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Canada** | | | | | | | | | | | | | |
| No degree, certificate or diploma | $12,766 | $18,596 | $25,978 | $29,995 | $32,835 | $35,058 | $36,177 | $36,369 | $33,698 | $32,570 | $28,061 | $21,471 | $32,371 |
| High school graduate | $12,560 | $18,635 | $26,509 | $30,615 | $33,832 | $35,650 | $37,158 | $38,234 | $37,888 | $37,317 | $36,800 | $31,041 | $32,450 |
| Post-secondary certificate or diploma | $15,972 | $20,610 | $28,614 | $34,182 | $37,906 | $39,192 | $40,185 | $41,142 | $39,859 | $38,561 | $35,476 | $30,069 | $36,206 |
| University bachelor's degree | $42,886 | $23,054 | $33,243 | $43,495 | $51,982 | $55,095 | $56,560 | $58,688 | $60,266 | $61,202 | $72,133 | $43,972 | $48,857 |
| University masters' degree | $36,443 | $22,905 | $36,524 | $49,156 | $59,070 | $64,406 | $65,541 | $69,929 | $66,565 | $60,258 | $62,409 | $44,893 | $60,733 |
| University doctoral degree | $66,806 | $15,121 | $33,055 | $43,511 | $55,829 | $66,031 | $71,450 | $79,566 | $80,339 | $79,097 | $71,908 | $44,831 | $68,378 |
| University professional degree | $12,941 | $25,936 | $48,762 | $81,612 | $101,678 | $107,810 | $114,096 | $120,558 | $114,334 | $114,105 | $115,876 | $73,997 | $99,861 |
| All categories | $13,181 | $19,551 | $28,769 | $34,837 | $38,909 | $41,164 | $42,717 | $43,521 | $41,018 | $39,165 | $37,788 | $27,598 | $37,556 |
| **Ontario** | | | | | | | | | | | | | |
| No degree, certificate or diploma | $13,070 | $19,793 | $27,744 | $32,054 | $35,215 | $37,350 | $38,772 | $38,910 | $36,288 | $36,091 | $32,431 | $22,302 | $34,871 |
| High school graduate | $13,061 | $19,560 | $27,713 | $32,254 | $35,803 | $37,821 | $39,556 | $40,976 | $40,638 | $38,366 | $40,272 | $34,027 | $34,308 |
| Post-secondary certificate or diploma | $18,612 | $21,912 | $29,993 | $36,345 | $40,059 | $41,220 | $42,517 | $43,895 | $42,302 | $40,491 | $38,609 | $28,957 | $38,442 |
| University bachelor's degree | $34,977 | $23,876 | $34,447 | $46,240 | $55,526 | $58,024 | $60,547 | $62,982 | $64,714 | $66,125 | $70,952 | $47,477 | $51,722 |
| University masters' degree | $51,791 | $26,313 | $39,071 | $52,325 | $64,511 | $69,504 | $70,199 | $74,658 | $70,344 | $63,920 | $73,934 | $44,361 | $64,936 |
| University doctoral degree | $70,762 | $0 | $30,897 | $45,241 | $58,509 | $68,339 | $76,592 | $82,011 | $85,694 | $79,862 | $70,667 | $42,333 | $71,644 |
| University professional degree | $0 | $22,115 | $52,061 | $88,274 | $110,415 | $116,392 | $122,392 | $131,369 | $128,987 | $122,400 | $122,750 | $73,650 | $108,749 |
| All categories | $13,796 | $20,641 | $30,217 | $37,204 | $41,808 | $43,955 | $45,927 | $46,912 | $44,224 | $42,234 | $41,971 | $29,222 | $40,281 |
| **9 Provinces** | | | | | | | | | | | | | |
| No degree, certificate or diploma | $12,635 | $18,028 | $24,825 | $28,657 | $31,428 | $33,691 | $34,542 | $34,751 | $31,928 | $30,067 | $25,129 | $20,962 | $30,809 |
| High school graduate | $12,361 | $18,033 | $25,560 | $29,383 | $32,540 | $34,256 | $35,560 | $36,528 | $36,042 | $36,520 | $34,078 | $28,618 | $31,184 |
| Post-secondary certificate or diploma | $15,063 | $19,940 | $27,738 | $32,706 | $36,526 | $37,937 | $38,668 | $39,263 | $37,983 | $36,940 | $32,769 | $30,908 | $34,744 |
| University bachelor's degree | $48,818 | $22,480 | $32,309 | $41,371 | $49,392 | $53,067 | $53,748 | $55,608 | $56,748 | $57,075 | $73,127 | $41,339 | $46,743 |
| University masters' degree | $31,327 | $20,831 | $33,991 | $46,146 | $54,252 | $60,182 | $61,682 | $66,087 | $63,555 | $57,239 | $52,844 | $45,325 | $57,132 |
| University doctoral degree | $54,938 | $15,121 | $34,739 | $42,281 | $54,084 | $64,544 | $67,676 | $77,806 | $76,187 | $78,492 | $72,911 | $47,194 | $66,044 |
| University professional degree | $12,941 | $27,617 | $46,917 | $76,380 | $95,526 | $101,847 | $107,427 | $113,244 | $103,765 | $107,677 | $110,686 | $74,368 | $93,471 |
| All categories | $12,928 | $18,932 | $27,745 | $33,147 | $37,019 | $39,385 | $40,580 | $41,265 | $38,715 | $36,825 | $34,668 | $26,486 | $35,729 |

Notes: Educational attainment is highest level of schooling completed. Salary figures are based on full year, full time workers age 15+.
Professional Degrees are medicine, dentistry, veterinary medicine, and optometry. Nine provinces includes northern territories.

Source: 1996 Canada Census. This will be updated when the 2001 Census data is published.

FIGURE 9.3

AVERAGE PERSONAL INCOME
BY EDUCATIONAL ATTAINMENT AND AGE
ONTARIO
1995



# Appendices

## APPENDIX A

## NOTES ON ENROLMENT

The basic approach in this *Resource Document* is to examine the university enterprise from a global perspective. Therefore, all enrolment figures are based on total fall term undergraduate plus graduate enrolment, regardless of whether the students are eligible or ineligible for Ontario government formula-funding.

**Ontario-Only Tables**

- The source of full-time and part-time enrolment figures is the Ontario Ministry of Training, Colleges and Universities (MTCU).
- **Table 8.4** uses full-time enrolment.
- **Tables 1.2, 3.1, 6.2, 7.1, 8.1 and 8.2** use FTE enrolment, calculated according to equation #1:

  FTE enrolment = full-time enrolment + ( part-time enrolment / 3.5 ).

- **Tables 1.2, 3.1, 6.2, 7.1, and 8.2** are based on Ontario's 17 universities, the Ontario College of Art and Design (OCAD), and Dominicain College. OCAD and Dominicain receive government support from the Universities Branch of MTCU.
- **Tables 8.1 and 8.4** are based solely on Ontario's 17 universities. OCAD and Dominicain are excluded because these tables include counts of full-time faculty, and Statistics Canada does not collect such counts for OCAD and Dominicain.

**Comparisons with Other Provinces**

- The source of full-time and part-time enrolment figures is Statistics Canada.
- **Tables 7.3, 8.5 and 8.6** use FTE enrolment calculated according to equation #1.
- For **Table 7.3**, enrolment figures are standard provincial totals published by Statistics Canada. Statistics Canada's standard provincial total for Ontario is based on the 17 universities, Dominicain College, the Royal Military College, Redeemer College, and the Ontario Bible College and Theological Seminary. OCAD is excluded.
- For **Tables 8.5 and 8.6**, enrolment figures are based on a set of 48 "core" universities in Canada, the same 48 universities that are included in Maclean's

magazine's annual ranking of Canadian universities. This set of universities is considered to be appropriate for the calculation and comparison of student/faculty ratios, the focus of these two tables. For Ontario, only the 17 universities are included in the "core" set.

- **Table 2.3** – FTE enrolment figures prior to 1990-91 are taken from the annual reports of the Tripartite (MTCU, COU, OCUA) Committee on Interprovincial Comparisons of University Financing. The original source for the Committee's data was Statistics Canada. The data represents eligible and ineligible fall term enrolment, and FTE enrolment is calculated according to equation #1. Adjustments have been made to Statistics Canada's standard provincial totals for college-to-university transfer students and for interprovincial transfer students. Interprovincial transfer students are those who are registered in a program at an out-of-province university but are funded by their home province's government. Enrolment figures correspond to the set of universities used for Table 7.3. For the methodology used to calculate FTE enrolment commencing in 1990-91, see Appendix B.

- **Table 3.2** – FTE enrolment is derived the same way as in Table 2.3, with the exception that the adjustment for interprovincial transfer students is not done. Enrolment figures correspond to the set of universities used for Table 7.3. For the methodology used to calculate FTE enrolment commencing in 1990-91, see Appendix C.

**Comparisons with American States**

- **Table 2.6** – FTE enrolment for Ontario's 17 universities is based on eligible and ineligible fall term enrolment figures obtained from MTCU. In these tables, FTE enrolment is calculated according to equation #1.

  The source for US enrolment data (fall term, full-time and part-time) is the Integrated Postsecondary Education Data System (IPEDS) published by the National Center for Education Statistics of the U.S. Department of Education. It can be found at http://nces.ed.gov/ipeds/.

## APPENDIX B

## METHODOLOGY FOR ESTIMATING EACH PROVINCE'S UNIVERSITY OPERATING GRANTS PER FTE STUDENT

| | |
|---|---|
| 1989-90 and Before: | Actual "Net Total Operating Grants" were divided by actual "Net Total Enrolment". These data were sourced from the Tripartite Committee on Interprovincial Comparisons, April 1992, which was the last year of its publication. |
| 1990-91 and After: | Estimates of annual percent change were applied against the last actual figures of 1989-90. |

EXAMPLE: ONTARIO

| | | | |
|---|---|---|---|
| Estimate of Ontario Operating Grants to Universities per FTE Student in 1990-91 (post Tripartite Committee): | | | $6,772 |
| CALCULATION: | | | |
| PART 1: | OPERATING GRANTS | (For Tables 2.3, 2.4 and 2.5) | |
| 1989-90 - | Last year Tripartite Committee reported actual Net Total Operating Grants for Ontario: | | $1,599,386,000 |
| 1989-90 - | Ontario operating grants reported in CAUBO: | | $1,724,504,000 |
| 1990-91 - | Ontario operating grants reported in CAUBO: | | $1,869,822,000 |
| 1989-90 to 1990-91 | percent change using CAUBO data:[1] | | 8.43% |
| 1990-91 - | Estimated Net Total Operating Grants = $1,599,386,000 * 1.0843 | | $1,734,160,738 |
| PART 2: | FTE ENROLMENT | (For Table 2.3) | |
| 1989-90 - | Last year Tripartite Committee reported actual Net Total Enrolment for Ontario: | | 247,053 |
| 1989-90 - | Ontario total enrolment reported by Statistics Canada: | | 237,876 |
| 1990-91 - | Ontario total enrolment reported by Statistics Canada: | | 246,577 |
| 1989-90 to 1990-91 | percent change using Statistics Canada data: | | 3.66% |
| 1990-91 - | Estimated Net Total Enrolment = 247,053 * 1.0366 | | 256,090 |
| PART 3: | OPERATING GRANTS PER FTE ENROLMENT | (For Table 2.3) | |
| 1990-91 - | Estimated Net Total Operating Grants | | $1,734,160,738 |
| | Divided by Estimated Net Total Enrolment | | 256,090 |
| | Equals Ontario Operating Grants to Universities per FTE Student | | $6,772 |

(1) 1990-91 to 1997-98: For each of these years the annual percent change was calculated from the operating grants reported in the Financial Reports of the Canadian Association of University Business Officers.
1998-99 to 1999-00: The annual percent change to operating grants for these two years were obtained from the Public Accounts and Expenditure Estimates of Ontario, and, for other provinces, the Association of Universities and Colleges of Canada.

## APPENDIX C

## METHODOLOGY FOR ESTIMATING EACH PROVINCE'S UNIVERSITY OPERATING EXPENDITURES PER FTE STUDENT

**1989-90 and Before:** Actual "Total Operating Expenditures" were divided by actual "Enrolment - Provincial Institutions (excluding interprovincial transfers)". These data were sourced from the Tripartite Committee on Interprovincial Comparisons, April 1992, which was the last year of its publication.

**1990-91 and After:** Estimates of annual percent change were applied against the last actual figures of 1989-90.

EXAMPLE: ONTARIO

| | | |
|---|---|---|
| Estimate of Ontario Total University Operating Expenditures per FTE Student in 1996-97 (post Tripartite Committee): | | $9,876 |
| CALCULATION: | (For Table 3.2) | |
| PART 1: | OPERATING EXPENDITURES | |
| 1989-90 - | Last year Tripartite Committee reported actual Total Operating Expenditures for Ontario: | $2,131,704,000 |
| 1989-90 - | Ontario operating expenditures reported in CAUBO: | $2,254,667,000 |
| 1996-97 - | Ontario operating expenditures reported in CAUBO: | $2,710,446,000 |
| 1989-90 to 1996-97 | percent change using CAUBO data:(1) | 20.21% |
| 1996-97 - | Estimated Total Operating Expenditures = $2,131,704,000 * 1.2021 | $2,562,626,135 |
| PART 2: | FTE ENROLMENT | |
| 1989-90 - | Last year Tripartite Committee reported actual Net Total Enrolment for Ontario: | 247,053 |
| 1989-90 - | Ontario total enrolment reported by Statistics Canada: | 237,876 |
| 1996-97 - | Ontario total enrolment reported by Statistics Canada: | 249,808 |
| 1989-90 to 1996-97 | percent change using Statistics Canada data: | 5.02% |
| 1996-97 - | Estimated Net Total Enrolment 247,084 * 1.0502 | 259,445 |
| PART 3: | OPERATING EXPENDITURES PER FTE ENROLMENT | |
| 1996-97 - | Estimated Total Operating Expenditures | $2,562,626,135 |
| | Divided by Estimated Net Total Enrolment | 259,445 |
| | Equals Ontario Total University Operating Expenditures per FTE student: | $9,877 |

(1) 1990-91 to 1996-97: For each of these years the annual percent change was calculated from the operating expenditures reported in the Financial Reports of the Canadian Association of University Business Officers.

## APPENDIX D

### ONTARIO UNIVERSITY NON-SALARY PRICE INDEX (OUNSPI) AND CANADA CONSUMER PRICE INDEX (CPI) 1981-82 to 2000-01

| | OUNSPI | CPI | Annual Increase OUNSPI | Annual Increase CPI |
|---|---|---|---|---|
| 1981-82 | 100.0 | 100.0 | 13.9% | 12.1% |
| 1982-83 | 110.2 | 109.5 | 10.2% | 9.5% |
| 1983-84 | 115.2 | 115.1 | 4.5% | 5.1% |
| 1984-85 | 122.1 | 119.4 | 6.0% | 3.8% |
| 1985-86 | 127.4 | 124.4 | 4.4% | 4.1% |
| 1986-87 | 131.0 | 129.6 | 2.8% | 4.2% |
| 1987-88 | 135.5 | 135.1 | 3.5% | 4.3% |
| 1988-89 | 139.3 | 140.9 | 2.8% | 4.2% |
| 1989-90 | 142.3 | 148.3 | 2.1% | 5.3% |
| 1990-91 | 144.6 | 155.8 | 1.6% | 5.1% |
| 1991-92 | 146.4 | 162.1 | 1.2% | 4.0% |
| 1992-93 | 153.6 | 164.8 | 5.0% | 1.7% |
| 1993-94 | 157.2 | 166.9 | 2.3% | 1.3% |
| 1994-95 | 170.1 | 168.0 | 8.3% | 0.6% |
| 1995-96 | 180.4 | 171.4 | 6.0% | 2.0% |
| 1996-97 | 178.3 | 174.4 | -1.2% | 1.8% |
| 1997-98 | 182.4 | 176.6 | 2.3% | 1.3% |
| 1998-99 | 188.1 | 178.4 | 3.1% | 1.0% |
| *1999-00* | *197.1* | *182.4* | *4.8%* | *2.3%* |
| *2000-01* | *209.0* | *187.7* | *6.0%* | *2.9%* |

Notes:

CPI and OUNSPI are relative to base year 1980-81 = 100.0.

1999-00 and 2000-01 indices were revised and re-weighted.
See Appendices E through G

The Ontario University Non-Salary Price Index was developed in 1978 to provide "a more sensitive tool to assist in measuring the likely impact of inflation on non-salary expenditure, and a more accurate measure of the extent of inflationary erosion between any two years."[1]

(1) - Council of Ontario Universities, "Ontario University Non-Salary Price Index," February 1978.

## APPENDIX E

### ONTARIO UNIVERSITY NON-SALARY PRICE INDEX (OUNSPI)
### Components and Weights
### 2002 and 1993

| Component | 1981 -82 | 1982 -83 | 1983 -84 | 1984 -85 | 1985 -86 | 1986 -87 | 1987 -88 | 1988 -89 | 1989 -90 | 1990 -91 | 1991 -92 | 1992 -93 | 1993 -94 | 1994 -95 | 1995 -96 | 1996 -97 | 1997 -98 | 1998 -99 | 1999 -00 | 2000 -01 | 2001 -02 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Books | 100.0 | 111.1 | 127.0 | 139.4 | 139.4 | 144.9 | 142.1 | 147.6 | 154.9 | 158.5 | 163.7 | 183.9 | 200.3 | 162.8 | 204.7 | 216.6 | 236.7 | 255.1 | 237.8 | 252.8 | |
| Periodicals | | | | | | | | | | | | | | 100.0 | 116.9 | 131.6 | 146.2 | 167.2 | 188.6 | 204.5 | 218.3 |
| Library: Electronic Services | | | | | | | | | | | | 100.0 | 109.7 | 118.7 | 119.3 | 119.8 | 128.3 | 142.5 | 145.7 | 156.8 | |
| Library: Non-Print Media | | | | | | | | | | | | 100.0 | 108.5 | 114.6 | 119.9 | 125.6 | 132.5 | 144.4 | 143.7 | 151.1 | |
| Equipment | | | | | | | | | | | | 100.0 | 107.5 | 113.6 | 113.1 | 112.8 | 115.6 | 123.2 | 119.4 | 122.8 | 126.8 |
| Computer Hardware | | | | | | | | | | | | 100.0 | 106.5 | 105.4 | 101.0 | 97.2 | 95.7 | 95.8 | 93.1 | 92.3 | 92.5 |
| Computer Software | | | | | | | | | | | | | | | | | | 100.0 | 95.8 | 100.8 | 102.6 |
| Furniture | | | | | | | 100.0 | 103.7 | 109.1 | 111.8 | 111.9 | 112.2 | 113.7 | 119.1 | 129.2 | 129.3 | 130.3 | 131.0 | 133.3 | 135.6 | 137.5 |
| Stationery and Paper | 100.0 | 107.3 | 110.6 | 118.0 | 123.2 | 128.6 | 135.1 | 147.4 | 156.8 | 157.7 | 156.4 | 155.6 | 159.7 | 187.7 | 239.2 | 230.3 | 221.6 | 224.2 | 232.2 | 243.6 | 250.0 |
| Printing Materials | 100.0 | 113.0 | 116.5 | 120.7 | 124.2 | 132.3 | 137.5 | 144.4 | 150.5 | 153.2 | 153.3 | 153.3 | 148.2 | 149.4 | 161.1 | 161.4 | 161.9 | 166.6 | 171.4 | 175.2 | 176.1 |
| Tools and Apparatus | 100.0 | 110.5 | 115.2 | 121.1 | 127.5 | 131.6 | 136.7 | 143.3 | 148.0 | 151.9 | 155.8 | 157.8 | 161.1 | 164.6 | 173.0 | 179.0 | 182.2 | 192.0 | 197.4 | 198.9 | 200.9 |
| Chemicals | 100.0 | 103.8 | 107.8 | 111.2 | 113.5 | 113.4 | 121.8 | 134.0 | 129.9 | 131.4 | 129.5 | 129.7 | 133.4 | 148.3 | 151.9 | 151.8 | 150.3 | 145.7 | 152.7 | 162.2 | 160.7 |
| Postage | 100.0 | 140.8 | 147.9 | 147.9 | 163.8 | 167.9 | 180.8 | 187.6 | 191.4 | 200.2 | 215.7 | 229.4 | 235.3 | 238.4 | 246.2 | 249.9 | 251.3 | 256.1 | 266.6 | 270.5 | 284.2 |
| Telephone and Long Distance | 100.0 | 115.1 | 121.3 | 122.9 | 124.3 | 123.5 | 123.2 | 119.9 | 118.2 | 117.6 | 119.6 | 120.6 | 122.0 | 122.0 | 124.6 | 130.6 | 136.6 | 134.7 | 132.7 | 136.7 | 141.8 |
| Electricity | 100.0 | 110.1 | 119.4 | 129.2 | 137.6 | 144.2 | 152.6 | 160.6 | 169.9 | 183.2 | 200.9 | 221.9 | 232.5 | 231.7 | 229.3 | 227.9 | 227.7 | 227.7 | 227.7 | 227.8 | 245.3 |
| Gas | 100.0 | 122.1 | 128.1 | 129.9 | 129.9 | 129.1 | 126.7 | 123.6 | 116.5 | 115.4 | 125.9 | 129.0 | 139.2 | 142.4 | 134.0 | 137.8 | 144.8 | 159.4 | 173.3 | 228.3 | 256.3 |
| Oil | 100.0 | 118.8 | 128.8 | 136.6 | 128.6 | 83.1 | 93.1 | 77.5 | 87.7 | 92.1 | 76.9 | 85.0 | 76.9 | 92.2 | 97.3 | 108.4 | 99.5 | 81.5 | 125.4 | 159.8 | 133.6 |
| Water | 100.0 | 111.8 | 119.3 | 127.1 | 135.4 | 139.6 | 142.6 | 152.9 | 165.3 | 180.2 | 194.4 | 208.6 | 219.1 | 226.6 | 236.3 | 243.4 | 248.0 | 252.9 | 257.3 | 263.4 | 272.3 |
| Renovations | 100.0 | 103.6 | 103.2 | 107.0 | 109.1 | 112.4 | 118.3 | 125.1 | 130.2 | 132.6 | 130.3 | 129.8 | 132.6 | 136.5 | 138.0 | 142.9 | 146.3 | 148.8 | 151.2 | 155.5 | |
| Transportation | 100.0 | 110.6 | 115.8 | 120.3 | 126.3 | 128.8 | 134.4 | 136.9 | 145.4 | 152.4 | 153.3 | 158.2 | 163.1 | 171.5 | 179.3 | 186.8 | 189.4 | 188.6 | 198.5 | 205.4 | 203.5 |
| Traveller's Accommodation | 100.0 | 111.8 | 117.5 | 122.8 | 130.1 | 141.8 | 144.9 | 153.7 | 159.5 | 165.4 | 164.9 | 166.2 | 167.8 | 175.0 | 188.9 | 192.2 | 196.9 | 206.2 | 218.3 | 230.5 | 219.1 |
| Food Away from Home | 100.0 | 109.7 | 114.5 | 119.2 | 124.2 | 130.4 | 135.1 | 142.1 | 149.2 | 160.2 | 172.1 | 175.0 | 177.1 | 179.7 | 183.3 | 186.1 | 189.6 | 193.1 | 197.1 | 201.5 | 208.7 |
| Insurance | 100.0 | 108.4 | 114.4 | 117.7 | 124.0 | 137.1 | 154.9 | 168.3 | 179.8 | 176.4 | 176.6 | 178.6 | 188.1 | 190.6 | 191.9 | 192.0 | 197.1 | 200.7 | 205.8 | 214.3 | 228.5 |
| Space Rental | 100.0 | 111.5 | 117.8 | 122.3 | 126.4 | 130.3 | 136.6 | 143.2 | 152.0 | 160.0 | 165.7 | 168.4 | 170.2 | 171.1 | 172.6 | 173.0 | 173.0 | 174.4 | 177.6 | 184.7 | 189.8 |

115

BEST COPY AVAILABLE

## APPENDIX F

## ONTARIO UNIVERSITY NON-SALARY PRICE INDEX (OUNSPI)
### Components and Weights
### 2002 and 1993

| Component | 1981 -82 | 1982 -83 | 1983 -84 | 1984 -85 | 1985 -86 | 1986 -87 | 1987 -88 | 1988 -89 | 1989 -90 | 1990 -91 | 1991 -92 | 1992 -93 | 1993 -94 | 1994 -95 | 1995 -96 | 1996 -97 | 1997 -98 | 1998 -99 | 1999 -00 | 2000 -01 | 2001 -02 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Books | | 11.1% | 14.3% | 9.7% | 0.0% | 3.9% | -1.9% | 3.9% | 4.9% | 2.3% | 3.2% | 12.3% | 8.9% | -18.7% | 25.7% | 5.8% | 9.3% | 7.8% | -6.8% | 6.3% | |
| Periodicals | | | | | | | | | | | | | | | 16.9% | 12.5% | 11.1% | 14.4% | 12.8% | 8.4% | 6.8% |
| Library: Electronic Services | | | | | | | | | | | | | 9.7% | 8.2% | 0.5% | 0.4% | 7.1% | 11.0% | 2.2% | 7.6% | |
| Library: Non-Print Media | | | | | | | | | | | | | 8.5% | 5.6% | 4.7% | 4.7% | 5.5% | 9.0% | -0.5% | 5.2% | |
| Equipment | | | | | | | | | | | | | 7.5% | 5.7% | -0.4% | -0.3% | 2.5% | 6.6% | -3.1% | 2.8% | 3.3% |
| Computer Hardware | | | | | | | | | | | | | 6.5% | -1.1% | -4.1% | -3.8% | -1.6% | 0.1% | -2.8% | -0.9% | 0.2% |
| Computer Software | | | | | | | | | | | | | | | | | | | -4.2% | 5.3% | 1.8% |
| Furniture | | | | | | | | 3.7% | 5.2% | 2.5% | 0.1% | 0.3% | 1.4% | 4.7% | 8.5% | 0.0% | 0.8% | 0.5% | 1.8% | 1.8% | 1.4% |
| Stationery and Paper | | 7.3% | 3.1% | 6.7% | 4.4% | 4.4% | 5.1% | 9.1% | 6.4% | 0.6% | -0.8% | -0.5% | 2.6% | 17.5% | 27.5% | -3.8% | -3.7% | 1.2% | 3.6% | 4.9% | 2.6% |
| Printing Materials | | 13.0% | 3.0% | 3.7% | 2.9% | 6.5% | 4.0% | 5.0% | 4.2% | 1.8% | 0.1% | 0.0% | -3.4% | 0.9% | 7.8% | 0.2% | 0.3% | 3.0% | 2.8% | 2.2% | 0.5% |
| Tools and Apparatus | | 10.5% | 4.2% | 5.2% | 5.3% | 3.2% | 3.9% | 4.9% | 3.3% | 2.6% | 2.6% | 1.3% | 2.1% | 2.2% | 5.1% | 3.5% | 1.7% | 5.4% | 2.8% | 0.8% | 1.0% |
| Chemicals | | 3.8% | 3.9% | 3.2% | 2.0% | -0.1% | 7.4% | 10.1% | -3.1% | 1.1% | -1.5% | 0.2% | 2.9% | 11.2% | 2.4% | 0.0% | -1.0% | -3.1% | 4.8% | 6.2% | -0.9% |
| Postage | | 40.8% | 5.0% | 0.0% | 10.8% | 2.5% | 7.6% | 3.8% | 2.0% | 4.6% | 7.7% | 6.4% | 2.6% | 1.3% | 3.2% | 1.5% | 0.6% | 1.9% | 4.1% | 1.5% | 5.1% |
| Telephone and Long Distance | | 15.1% | 5.3% | 1.4% | 1.1% | -0.6% | -0.2% | -2.7% | -1.4% | -0.5% | 1.7% | 0.9% | 1.1% | 0.0% | 2.2% | 4.8% | 4.6% | -1.4% | -1.5% | 3.0% | 3.7% |
| Electricity | | 10.1% | 8.5% | 8.2% | 6.5% | 4.6% | 5.6% | 5.3% | 5.8% | 7.6% | 9.7% | 10.4% | 4.8% | -0.4% | -1.0% | -0.6% | -0.1% | 0.0% | 0.0% | 0.0% | 7.7% |
| Gas | | 22.1% | 5.0% | 1.4% | 0.0% | -0.6% | -1.9% | -2.4% | -5.7% | -0.9% | 9.1% | 2.5% | 7.9% | 2.3% | -5.9% | 2.8% | 5.1% | 10.0% | 8.7% | 31.8% | 12.3% |
| Oil | | 18.8% | 8.4% | 6.0% | -5.9% | -35.4% | 12.0% | -16.6% | 13.2% | 5.0% | -16.5% | 10.6% | -9.6% | 19.9% | 5.5% | 11.4% | -8.2% | -18.1% | 53.9% | 27.4% | -16.4% |
| Water | | 11.8% | 6.7% | 6.6% | 6.5% | 3.1% | 2.2% | 7.2% | 8.1% | 9.0% | 7.9% | 7.3% | 5.0% | 3.4% | 4.3% | 3.0% | 1.9% | 2.0% | 1.7% | 2.4% | 3.4% |
| Renovations | | 3.6% | -0.4% | 3.7% | 1.9% | 3.0% | 5.3% | 5.8% | 4.1% | 1.8% | -1.8% | -0.4% | 2.1% | 3.0% | 1.1% | 3.6% | 2.4% | 1.7% | 1.6% | 2.8% | |
| Transportation | | 10.6% | 4.7% | 3.9% | 4.9% | 2.0% | 4.4% | 1.9% | 6.3% | 4.8% | 0.6% | 3.2% | 3.1% | 5.2% | 4.5% | 4.2% | 1.4% | -0.4% | 5.2% | 3.5% | -0.9% |
| Traveller's Accommodation | | 11.8% | 5.0% | 4.5% | 6.0% | 9.0% | 2.2% | 6.1% | 3.7% | 3.7% | -0.3% | 0.8% | 0.9% | 4.3% | 8.0% | 1.7% | 2.5% | 4.7% | 5.9% | 5.6% | -4.9% |
| Food Away from Home | | 9.7% | 4.4% | 4.1% | 4.3% | 4.9% | 3.6% | 5.2% | 5.0% | 7.3% | 7.5% | 1.7% | 1.2% | 1.4% | 2.0% | 1.5% | 1.9% | 1.9% | 2.0% | 2.2% | 3.6% |
| Insurance | | 8.4% | 5.5% | 2.8% | 5.4% | 10.5% | 13.0% | 8.6% | 6.8% | -1.9% | 0.1% | 1.1% | 5.3% | 1.3% | 0.7% | 0.1% | 2.6% | 1.8% | 2.6% | 4.1% | 6.6% |
| Space Rental | | 11.5% | 5.6% | 3.7% | 3.4% | 3.1% | 4.8% | 4.8% | 6.2% | 5.3% | 3.6% | 1.6% | 1.0% | 0.5% | 0.9% | 0.2% | 0.0% | 0.8% | 1.8% | 4.0% | 2.7% |



BEST COPY AVAILABLE

## APPENDIX G

### ONTARIO UNIVERSITY NON-SALARY PRICE INDEX (OUNSPI)
### Components and Weights
### 2002 and 1993

| Component | Index Weights (%) 2002 | 1993 | Source |
|---|---|---|---|
| Books: | 4 | 7 | *Bowker (U.S.) Hardcover Book Price Index* . Converted to $Can to capture exchange rate fluctuations |
| Periodicals: | 6 | 7 | *Rowe-Com Foreign and Domestic Price Index* http://www.rowecom.ca/english/new_cpi.htm Estimates done by applying Canadian price projections for periodicals in several countries to the 1999 geographic mix. See http://www.rowecom.ca/english/new_cp.htm |
| Electronic Services | 1 | n/a | U.S. Academic Library Price Index (ALPI). Published in *Inflation Measures for Schools, Colleges and Libraries* by Research Associates of Washington. Converted to $Can to capture exchange rate fluctuations |
| Non-Print Media: | 2 | n/a | U.S. Academic Library Price Index (ALPI). Published in *Inflation Measures for Schools, Colleges and Libraries* by Research Associates of Washington. Converted to $Can to capture exchange rate fluctuations |
| Machinery and Equipment: | 7 | 10 | U.S. Producer Price Index (WPU11) at http://data.bls.gov/cgi-bin/surveymost?wp Converted to $Can to capture exchange rate fluctuations |
| Computer Hardware: | 9 | 10 | Statistics Canada Industry Price Index: *Computer and Peripheral Manufacturing Price Index* (V3822743) (1997=100) |
| Computer Software: | 5 | 3 | U.S. Software Producer Price Index: *Prepackaged Software* (7372#). From Bureau of Labor Statistics at http://data.bls.gov/labjava/outside.jsp?survey=pc |
| Furniture and Furnishings: | 2 | 1 | Statistics Canada Industry Price Index: *Office Furniture* (V1575091) (1997=100) |
| Stationery and Paper: | 8 | 11 | Statistics Canada Industry Price Index: *Office and Stationery Supplies* (V1575193) (1997=100) |
| Printing Materials | 6 | 7 | Statistics Canada Industry Price Index: *Writing and Reproduction Paper (V1575144)* (1997=100) |
| Tools and Apparatus: | 3 | 5 | Statistics Canada Industry Price Index: *Hardware, Tools and Cutlery* (V1575387) (1997=100) |
| Chemicals | 6 | 4 | Statistics Canada Industry Price Index: *Chemical Products and Miscellaneous Manufactured Products* (V1575971) (1997=100) |
| Postage and Courier: | 5 | 4 | Statistics Canada Consumer Price Index: *Postage and Other Communications Services* (P100098) (1992=100) |
| Telephone and Long Distance: | 5 | 5 | Statistics Canada Consumer Price Index: *Communications* (P100096) (1992=100) |
| Insurance: | 1 | 1 | Statistics Canada Consumer Price Index: *Homeowner's Insurance Premiums* (P100086) (1992=100) |
| Space Rental: | 3 | 1 | Statistics Canada Consumer Price Index: *Shelter* (P100077) (1992=100) |
| Transportation: | 4 | 4 | Statistics Canada Consumer Price Index: *Transportation* (P100174) (1992=100) |
| Shelter: | 2 | 1 | Statistics Canada Consumer Price Index: *Traveler's Accommodation* (P100239) (1992=100) |
| Food Away from Home | 2 | 1 | Statistics Canada Consumer Price Index: *Food Purchased in Restaurants* (P100073) (1992=100) |
| Electricity | 8 | 12 | Statistics Canada Industry Price Index: *Electric Power Selling Price Index* (V3834009) (1997=100) |
| Gas | 5 | 3 | Statistics Canada Consumer Price Index: *Piped Gas* (P100092) (1992=100) |
| Oil | 1 | 0 | Statistics Canada Industrial Price Index: *Heavy Fuel Oil* (V1575903) (1997=100) |
| Water | 1 | 1 | Statistics Canada Consumer Price Index: *Water* (P100091) (1992=100) |
| Renovations and Alterations | 4 | 2 | Statistics Canada Construction Price Statistic: *Historical Non-Residential Price Indicators* (D15624) |
| Total | 100 | 100 | |



BEST COPY AVAILABLE

BEST COPY AVAILABLE





**APPENDIX H**

**DETAILS OF PROVINCIAL OPERATING GRANTS**
**ONTARIO UNIVERSITIES**
**1998-99 TO 2002-03**

| | Envelope | Notes | 1998-99 | 1999-00 | 2000-01 | 2001-02 | 2002-03(p) | Change from 1998-99 to 2002-03 $ | Change from 1998-99 to 2002-03 % | Change from 2000-01 to 2002-03 $ | Change from 2000-01 to 2002-03 % | Change from 2001-02 to 2002-03 $ | Change from 2001-02 to 2002-03 % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Basic Operating Grant | | $1,411,490,000 | $1,461,466,200 | $1,465,247,471 | $1,514,353,700 | $1,546,246,014 | $134,756,014 | 9.5% | $80,998,543 | 5.5% | $31,892,314 | 2.1% |
| 2 | Pay Equity | 1. | $18,961,300 | $0 | $0 | | | -$18,961,300 | -100.0% | $0 | | $0 | |
| 3 | Accessibility Fund | 2 | $0 | $0 | $16,500,000 | $25,800,000 | $117,800,000 | $117,800,000 | | $101,300,000 | 613.9% | $92,000,000 | 356.6% |
| 4 | Performance Fund | | $0 | $0 | $16,500,000 | $23,160,000 | $23,160,000 | $23,160,000 | | $6,660,000 | 40.4% | $0 | 0.0% |
| 5 | Research Overhead/Infrastructure | | $27,477,000 | $27,751,770 | $27,751,770 | $27,751,770 | $27,751,772 | $274,772 | 1.0% | $2 | 0.0% | $2 | 0.0% |
| 6 | Enhanced Access for Disabled | | $5,752,000 | $5,752,000 | $5,752,000 | $5,752,000 | $5,751,998 | -$2 | 0.0% | -$2 | 0.0% | -$2 | 0.0% |
| 7 | Mission Related | | $39,388,401 | $39,782,285 | $39,782,284 | $40,740,206 | $46,140,236 | $6,751,835 | 17.1% | $6,357,952 | 16.0% | $5,400,030 | 13.3% |
| | a Bilingualism | | $28,028,030 | $28,308,310 | $28,308,309 | $28,308,310 | $28,308,310 | $280,280 | 1.0% | $1 | 0.0% | $0 | 0.0% |
| | b Differentiation | | $1,876,000 | $1,894,760 | $1,894,760 | $1,894,760 | $1,894,760 | $18,760 | 1.0% | $0 | 0.0% | $0 | 0.0% |
| | c Northern Ontario | | $9,484,371 | $9,579,215 | $9,579,215 | $10,537,136 | $15,937,166 | $6,452,795 | 68.0% | $6,357,951 | 66.4% | $5,400,030 | 51.2% |
| 8 | Fair Funding for Universities | 3. | $10,000,000 | $20,000,000 | $28,999,999 | $0 | $0 | -$10,000,000 | -100.0% | -$28,999,999 | -100.0% | $0 | |
| 9 | Institution Specific Grants | | $34,260,108 | $15,501,298 | $15,850,057 | $13,517,911 | $11,701,325 | -$22,558,783 | -65.8% | -$4,148,732 | -26.2% | -$1,816,586 | -13.4% |
| | a Algoma Extraordinary Grant | | $540,000 | $545,400 | $545,400 | $599,940 | $899,910 | $359,910 | 66.7% | $354,510 | 65.0% | $299,970 | 50.0% |
| | b Guelph Ontario Veterinary College | 4. | $0 | $2,000,000 | $4,000,000 | $5,000,000 | $5,000,000 | $5,000,000 | | $1,000,000 | 25.0% | | 0.0% |
| | c Guelph Pension Supplement | | $642,000 | $900,000 | $643,000 | $634,000 | $700,000 | $58,000 | 9.0% | $57,000 | 8.9% | $66,000 | 10.4% |
| | d Hearst Extraordinary Grant | | $0 | $0 | $400,000 | $400,000 | $600,000 | $600,000 | | $200,000 | 50.0% | $200,000 | 50.0% |
| | e McMaster Occupational/Physiotherapy | | $500,000 | $500,000 | $0 | | | -$500,000 | -100.0% | $0 | | | |
| | f Ottawa Medical School - Francophone | | $411,704 | $424,000 | $424,000 | $212,000 | $212,000 | -$199,704 | -48.5% | -$212,000 | -50.0% | | 0.0% |
| | g Ottawa Teachers of Deaf Pupils - Francophone | | $350,000 | $350,000 | $350,000 | $350,000 | $350,000 | $0 | 0.0% | $0 | 0.0% | | 0.0% |
| | h Ryerson Pension Supplement | | $3,551,427 | $0 | $0 | $0 | $0 | -$3,551,427 | -100.0% | $0 | | | |
| | i Ryerson University Status | 3. | $16,900,000 | $0 | $0 | $0 | $0 | -$16,900,000 | -100.0% | $0 | | | |
| | j Toronto Medical School Health Research Grant | | $6,760,556 | $5,760,556 | $4,760,556 | $4,159,453 | $0 | -$6,760,556 | -100.0% | -$4,760,556 | -100.0% | -$4,159,453 | -100.0% |
| | k Toronto OISE/UT Base Grant | | $785,600 | $785,600 | $1,327,168 | $0 | $785,000 | -$600 | -0.1% | -$542,168 | -40.9% | $785,000 | |
| | l Toronto OISE/UT French Language Initiatives | | $169,090 | $169,090 | $338,180 | $0 | $169,090 | $0 | 0.0% | -$169,090 | -50.0% | $169,090 | |
| | m Toronto OISE/UT New Transfer Grant | | $549,500 | $471,000 | $706,500 | $0 | $235,000 | -$314,500 | -57.2% | -$471,500 | -66.7% | $235,000 | |
| | n Toronto OISE/UT Transitional Fund | | $2,010,327 | $2,010,327 | $0 | $0 | $0 | -$2,010,327 | -100.0% | $0 | | $0 | |
| | o Toronto OISE/UT Utilities Adjustment | | -$115,000 | -$115,000 | $0 | $0 | $0 | $115,000 | -100.0% | $0 | | $0 | |
| | p Waterloo Optometry (Administration Fee) | | $19,000 | $21,000 | $19,000 | $20,000 | $21,000 | $2,000 | 10.5% | $2,000 | 10.5% | $1,000 | 5.0% |
| | q York Deaf Education Centre | | $729,325 | $729,325 | $729,325 | $729,325 | $729,325 | $0 | 0.0% | $0 | 0.0% | | 0.0% |
| | r York/Trent Programming at Durham College | | $456,579 | $950,000 | $1,606,928 | $1,413,193 | $2,000,000 | $1,543,421 | 338.0% | $393,072 | 24.5% | $586,807 | 41.5% |
| 10 | Special Purpose Grants | | $11,809,853 | $12,211,438 | $14,307,469 | $14,048,237 | $13,051,722 | $1,241,869 | 10.5% | -$1,255,747 | -8.8% | -$996,515 | -7.1% |
| | a Aboriginal Education & Training Program | | $2,585,550 | $2,848,000 | $2,651,832 | $2,576,860 | $2,848,000 | $262,450 | 10.2% | $196,168 | 7.4% | $271,140 | 10.5% |
| | b Canadian Hearing Society | | $49,916 | $71,180 | $60,453 | $64,142 | $71,180 | $21,264 | 42.6% | $10,727 | 17.7% | $7,038 | 11.0% |
| | c Canadian Institute for Advanced Research | | $1,250,000 | $1,250,000 | $1,500,000 | $1,500,000 | $1,500,000 | $250,000 | 20.0% | $0 | 0.0% | $0 | 0.0% |
| | d Contact North Supplement | | $266,375 | $266,375 | $266,375 | $266,375 | $366,375 | $100,000 | 37.5% | $100,000 | 37.5% | $100,000 | 37.5% |
| | e Educ-Action | | $127,500 | $127,500 | $127,000 | $127,500 | $127,500 | $0 | 0.0% | $500 | 0.4% | $0 | 0.0% |
| | f Fields Institute (McMaster, Toronto, Waterloo) | | $1,000,000 | $1,000,000 | $1,000,000 | $1,000,000 | $1,000,000 | $0 | 0.0% | $0 | 0.0% | $0 | 0.0% |
| | g French as a Minority Language Programs | | $926,000 | $926,000 | $926,000 | $1,538,000 | $1,538,000 | $612,000 | 66.1% | $612,000 | 66.1% | $0 | 0.0% |
| | h Graduate Survey | | $300,000 | $600,000 | $195,954 | $182,005 | $182,005 | -$117,995 | -39.3% | -$13,949 | -7.1% | $0 | 0.0% |
| | i Interpreters Fund | | $412,410 | $725,000 | $586,342 | $725,000 | $725,000 | $312,590 | 75.8% | $138,658 | 23.6% | $0 | 0.0% |
| | j Midwifery (McMaster Consortium) | | $1,313,778 | $1,313,778 | $1,313,778 | $1,325,778 | $1,313,778 | $0 | 0.0% | $0 | 0.0% | -$12,000 | -0.9% |
| | k Nursing - Tuition Waiver/Graduate Expansion | | $0 | $0 | $0 | $1,000,000 | $800,000 | $800,000 | | $800,000 | | -$200,000 | -20.0% |
| | l Ontario/Four Motors (Ottawa, Queen's) | | $245,000 | $250,000 | $0 | $0 | $0 | -$245,000 | -100.0% | $0 | | $0 | |
| | m Ontario/Quebec Academic Exchange | | $106,102 | $140,250 | $110,923 | $9 | $0 | -$106,102 | -100.0% | -$110,923 | -100.0% | -$9 | -100.0% |
| | n Ontario/Quebec Health Study Program | | $328,493 | $450,000 | $190,970 | $210,197 | $300,000 | -$28,493 | -8.7% | $109,030 | 57.1% | $89,803 | 42.7% |
| | o College Alfred/Guelph Agreement | | $0 | $0 | $500,000 | $0 | $0 | $0 | | -$500,000 | -100.0% | $0 | |

| Envelope | Notes | 1998-99 | 1999-00 | 2000-01 | 2001-02 | 2002-03(p) | Change from 1998-99 to 2002-03 $ | Change from 1998-99 to 2002-03 % | Change from 2000-01 to 2002-03 $ | Change from 2000-01 to 2002-03 % | Change from 2001-02 to 2002-03 $ | Change from 2001-02 to 2002-03 % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| p Council of Ministers of Education of Canada | | $30,000 | $0 | $0 | $0 | $0 | -$30,000 | -100.0% | $0 | | $0 | |
| q Transcription Services for Print-Disabled | | $330,000 | $400,000 | $525,000 | $645,000 | $725,000 | $395,000 | 119.7% | $200,000 | 38.1% | $80,000 | 12.4% |
| r University Student Residence Program | | $1,831,616 | $1,108,355 | $3,298,190 | $1,858,346 | $499,884 | -$1,331,732 | -72.7% | -$2,798,306 | -84.8% | -$1,358,462 | -73.1% |
| s Womens Campus Safety | | $699,999 | $700,000 | $699,999 | $699,999 | $700,000 | $1 | 0.0% | $1 | 0.0% | $1 | 0.0% |
| t Work Place Safety & Insurance Board Claims | | $7,114 | $20,000 | $9,154 | $8,360 | $20,000 | $12,886 | 181.1% | $10,847 | 118.5% | $11,640 | 139.2% |
| u Workers Insurance Premium Coverage | | $0 | $15,000 | $25,500 | $666 | $15,000 | $15,000 | | -$10,500 | -41.2% | $14,334 | 2,152.3% |
| w Advanced Training Program (CUCC) | | $0 | $0 | $175,000 | $175,000 | $175,000 | $175,000 | | $0 | 0.0% | $0 | 0.0% |
| x OPAS | | $0 | $0 | $125,000 | $130,000 | $130,000 | $130,000 | | $5,000 | 4.0% | $0 | 0.0% |
| y ICSEI Conference (York) | | $0 | $0 | $5,000 | $0 | $0 | $0 | | -$5,000 | -100.0% | $0 | |
| z CMEC (Postsecondary Expectations Project) | | $0 | $0 | $15,000 | $15,000 | $15,000 | $15,000 | | $0 | 0.0% | $0 | 0.0% |
| 11 Teacher Education Expansion | 5. | $0 | $3,750,000 | $3,749,998 | $3,862,499 | $510,000 | $510,000 | | -$3,239,998 | -86.4% | -$3,352,499 | -86.8% |
| 12 Medical Expansion - Startup | | | | | $7,000,000 | $0 | $0 | | $0 | | -$7,000,000 | -100.0% |
| Medical Expansion - Operating | | $0 | $0 | $975,752 | $3,792,285 | $7,673,275 | $7,673,275 | | $6,697,523 | 686.4% | $3,880,990 | 102.3% |
| Nursing - Compressed Degree | | | | | $1,055,462 | $3,565,100 | $3,565,100 | | $3,565,100 | | $2,509,638 | 237.8% |
| Northern Medical School | | | | | | $5,000,000 | $5,000,000 | | $5,000,000 | | $5,000,000 | |
| 11 Ministry Initiatives & Contingency | | $235,338 | $2,786,009 | $0 | | -$809,044 | -$809,044 | | -$809,044 | | -$809,044 | |
| 12 Ontario Graduate Scholarships in Science & Tech | | $2,840,000 | $6,080,000 | $6,080,000 | $5,000,000 | $5,000,000 | -$1,044,382 | -443.8% | -$1,080,000 | -17.8% | $0 | 0.0% |
| a Base Funding | | $2,840,000 | $5,000,000 | $5,000,000 | $5,000,000 | $5,000,000 | $2,160,000 | 76.1% | $0 | 0.0% | $0 | 0.0% |
| b Carry Forward | | $0 | $1,080,000 | $1,080,000 | $0 | $0 | $2,160,000 | 76.1% | -$1,080,000 | -100.0% | $0 | |
| 13 Access to Opportunities Program (ATOP) | | $34,300,000 | $45,500,000 | $85,400,000 | $46,551,035 | $56,800,005 | $0 | | -$28,599,995 | -33.5% | $10,248,970 | 22.0% |
| a Start-Up Funding | | $30,400,000 | $23,100,000 | $49,200,000 | $0 | $0 | $22,500,005 | 65.6% | -$49,200,000 | -100.0% | | |
| b On-Going Funding | | $3,900,000 | $22,400,000 | $36,200,000 | $46,551,035 | $56,800,005 | -$30,400,000 | -100.0% | $20,600,005 | 56.9% | $10,248,970 | 22.0% |
| | | | | | | | $52,900,005 | 1,356.4% | | | | |
| Total | 7. | $1,596,514,000 | $1,640,581,000 | $1,726,896,800 | $1,732,385,105 | $1,869,342,403 | $272,828,403 | 17.1% | $142,445,603 | 8.7% | $136,957,298 | 7.9% |
| Total excluding ATOP Start-Up Funding | | $1,566,114,000 | $1,617,481,000 | $1,677,696,800 | $1,732,385,105 | $1,869,342,403 | $303,228,403 | 19.4% | $191,645,603 | 11.8% | $136,957,298 | 7.9% |

Notes:

1. Decreased by $2.0M and rolled into Basic Operating Grant in 1999-00.
2. In 2002-03, $28.8 of Accessibility is for the previous year.
3. Rolled into Basic Operating Grant in 2001-02.
4. Categorized as Budget Initiative in 1999-00. Increased by $2.0M and moved to Institution Specific Grants in 2000-01.
5. Categorized as Budget Initiative in 1998-99. Rolled into Basic Operating Grant in 1999-00.
6. Rolled into Basic Operating Grant in 2000-01.
7. Public Accounts "Grants for University Operating Costs" in 1998-99 includes ATOP startup and ongoing funding. These are excluded in subsequent years.

Source: MTCU

BEST COPY AVAILABLE

U.S. Department of Education
Office of Educational Research and Improvement (OERI)
National Library of Education (NLE)
Educational Resources Information Center (ERIC)

# NOTICE

## Reproduction Basis

☒ This document is covered by a signed "Reproduction Release (Blanket)" form (on file within the ERIC system), encompassing all or classes of documents from its source organization and, therefore, does not require a "Specific Document" Release form.

☐ This document is Federally-funded, or carries its own permission to reproduce, or is otherwise in the public domain and, therefore, may be reproduced by ERIC without a signed Reproduction Release form (either "Specific Document" or "Blanket").